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# Elektrik Semboller

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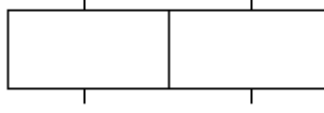
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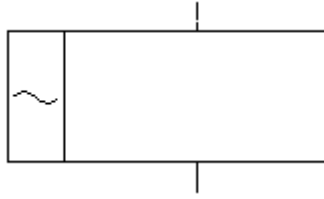


## "Düşük AG Gerilimi" sembol kütüphaneleri: Kontaktör ve röle bobinleri

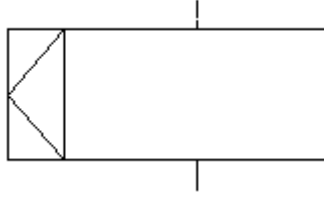
Çift bobin



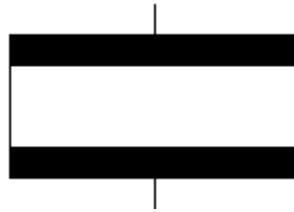
AC Röle Bobini



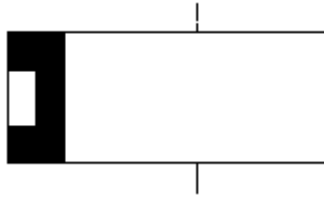
Mekanik kilitlemeli röle bobini



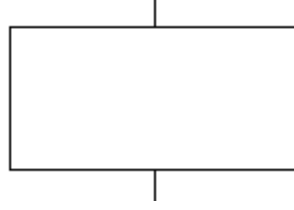
AC Duyarsız Röle Bobini



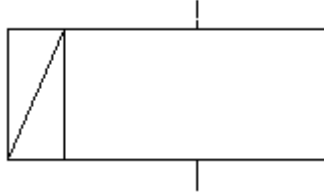
Polarize Röle Bobini



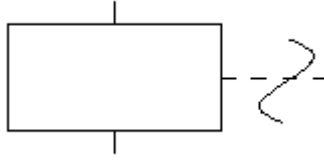
Röle Bobini



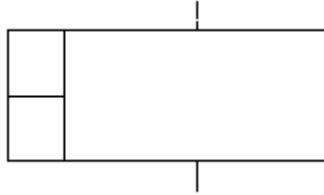
Kalıcılık Röle Bobini



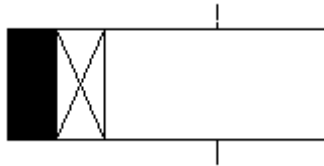
Mekanik rezonanslı röle bobini.



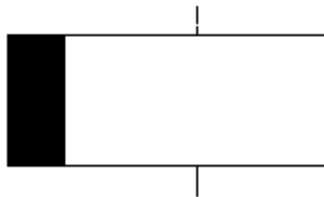
Hızlı Röle Bobini



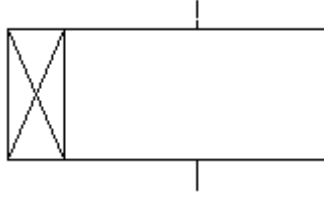
Uyarma ve uyarılma için gecikmeli röle bobini



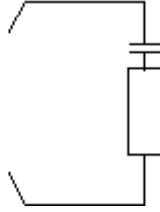
Uyarılmamış gecikmeli röle bobini



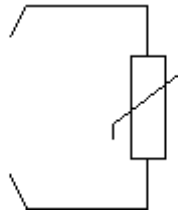
Uyarma gecikmeli röle bobini



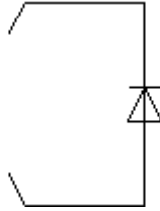
RC Filtre



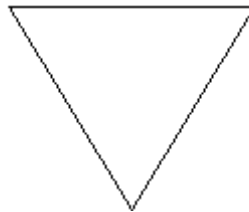
Varistör filtresi



Diyotlu filtre

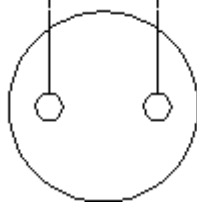


Debriyaj

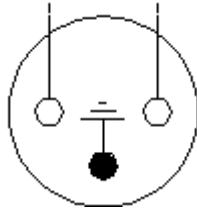


## "Düşük AG Voltajı" sembol kütüphaneleri: Soketler, topraklamalar

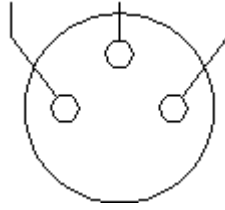
1F+N soket



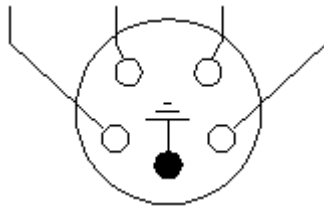
1F+N+E soketi



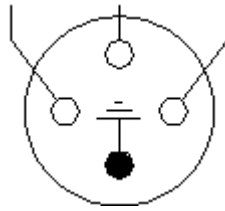
3F soketi



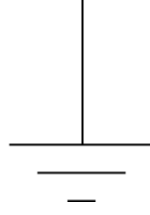
3F+N+E soketi



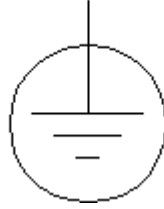
3F+E soketi



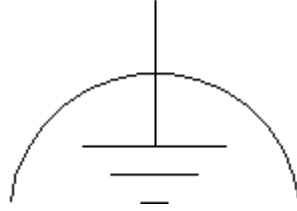
Zemin



Koruyucu topraklama

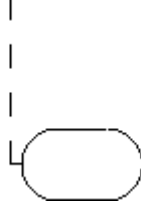


Gürültüsüz topraklama

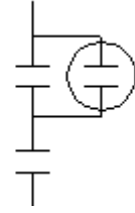


## "Düşük AG Voltajı" Sembol Kitaplıkları: Güç 1

Diferansiyel Blok



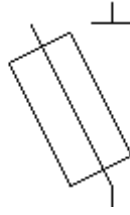
Neon Tabela



Izolatör



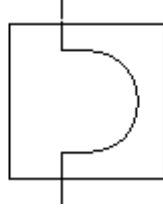
Sigorta bağlantı kesme anahtarı



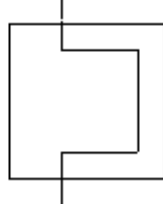
Termik ve Manyetik Röle



Manyetik Röle



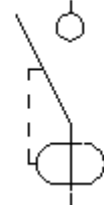
Termal röle



Ayırıcı



Diferansiyel anahtar ayırıcı



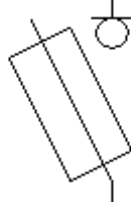
Sigorta anahtarı ayırıcı



Yük ayırıcı



Sigorta anahtarı ayırıcı



Kendinden açmalı yük ayırıcı



Kontaktör



Normalde kapalı kontaktör



Kendinden açmalı kontaktör



Manyetik termal korumalı devre kesici





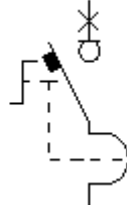
Şalter



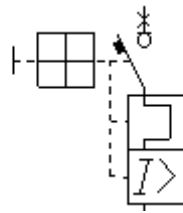
Diferansiyel devre kesici



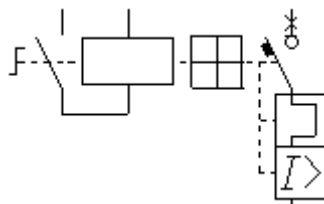
Motor devre kesici



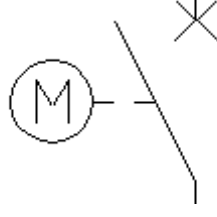
Motor devre kesici



Motor devre kesici

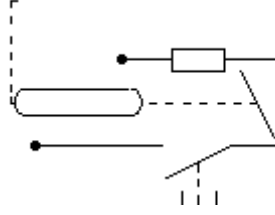


Motor devre kesici

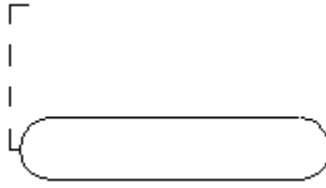


## "Düşük AG Voltajı" Sembol Kitaplıkları: Güç 2

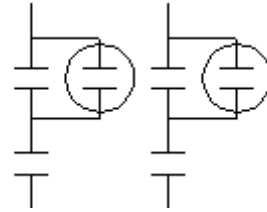
Diferansiyel Blok



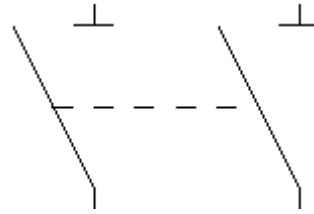
Diferansiyel Blok



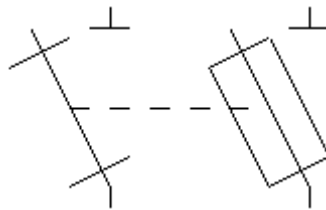
Neon Tabela



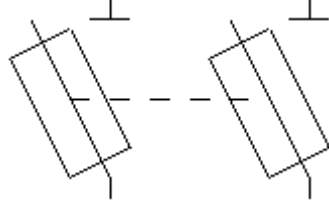
Izolatör



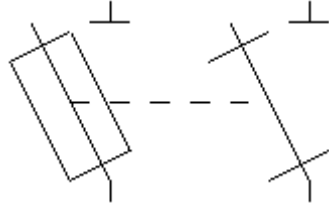
Sigorta bağlantı kesme anahtarı



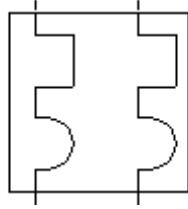
Sigorta bağlantı kesme anahtarı



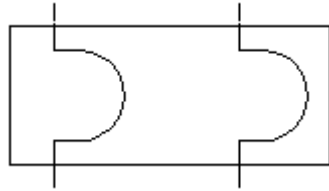
Sigorta bağlantı kesme anahtarı



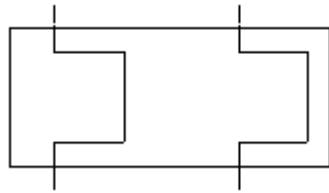
Termik ve Manyetik Röle



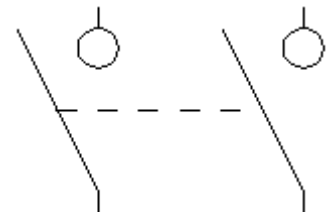
Manyetik Röle



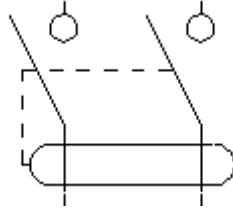
Termal röle



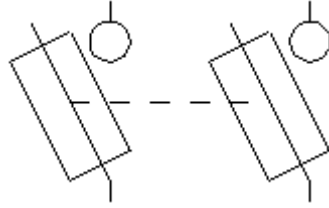
Ayırıcı



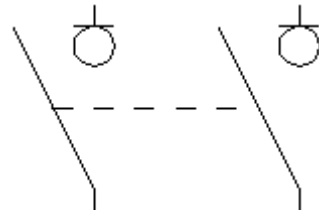
Diferansiyel anahtar ayırıcı



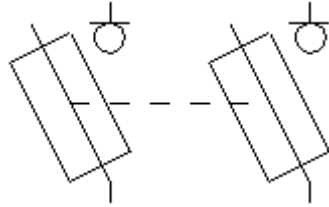
Sigorta anahtarı ayırıcı



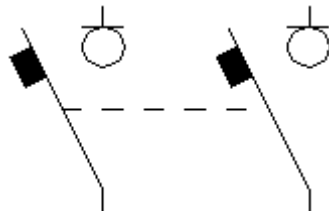
Yük ayırıcı



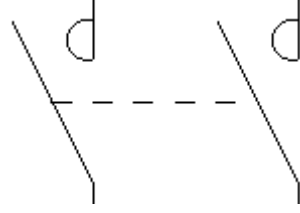
Sigorta anahtarı ayırıcı



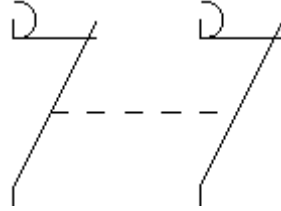
Kendinden açmalı yük ayırıcı



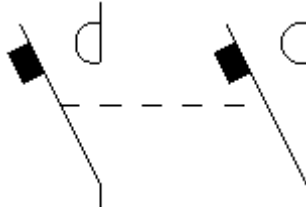
Kontaktör



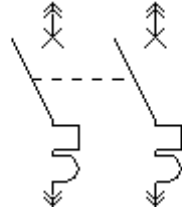
Normalde kapalı kontaktör



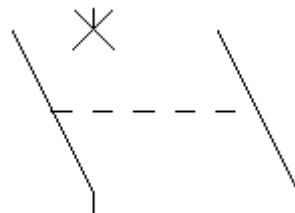
Kendinden açmalı kontaktör



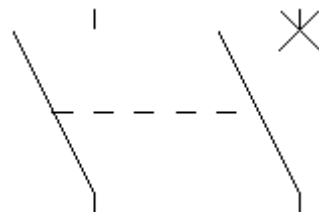
Manyetik termal korumalı devre kesici



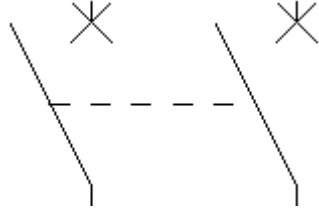
Devre kesici 1+N



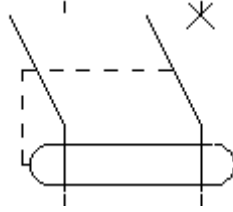
Devre kesici 1+N



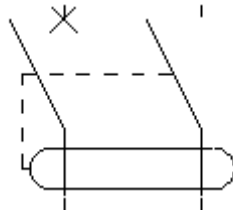
Şalter



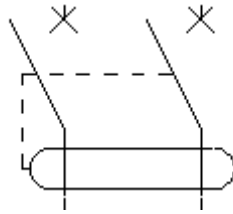
Diferansiyel devre kesici 1+N



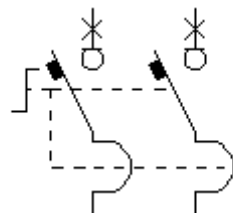
Diferansiyel devre kesici 1+N



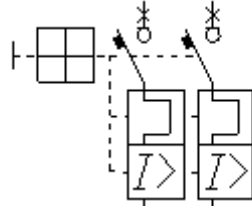
Diferansiyel devre kesici



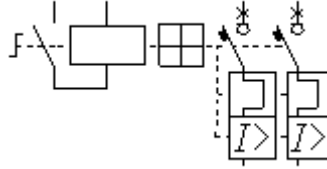
Motor devre kesici



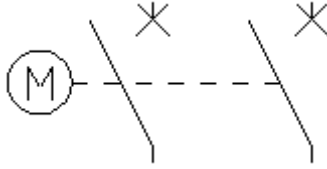
Motor devre kesici



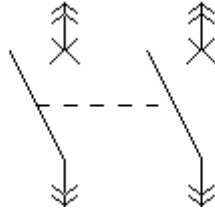
Motor devre kesici



Motor devre kesici



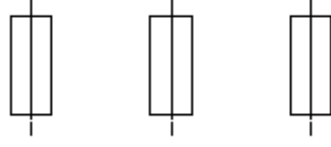
Şalter



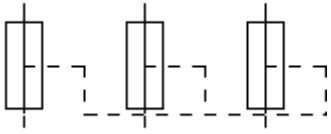


## "Düşük AG Voltajı" sembol kitaplıkları: Güç 3

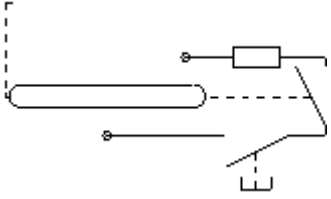
Birleşmek



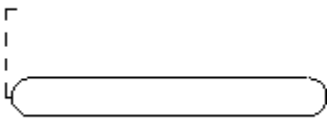
Birleşmek



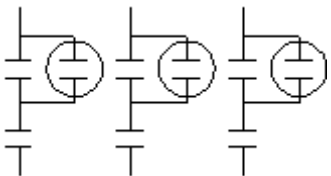
Diferansiyel Blok



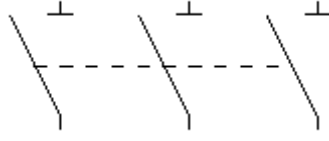
Diferansiyel Blok



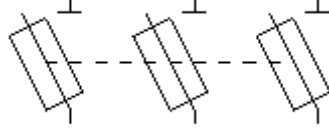
Neon Tabela



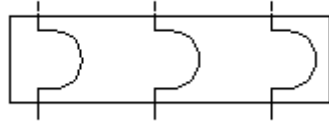
Izolatör



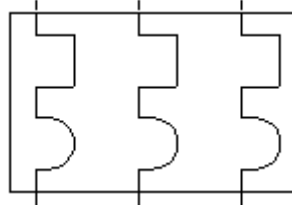
Sigorta bağlantı kesme anahtarı



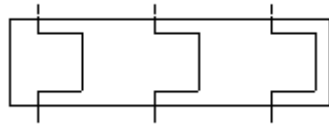
Manyetik Röle



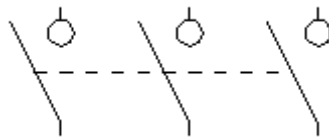
Termik ve Manyetik Röle



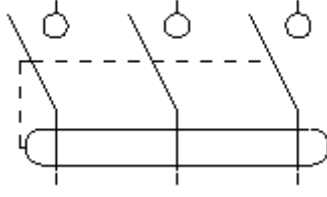
Termal röle



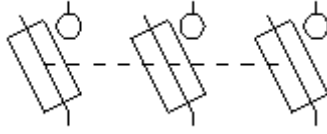
Ayırıcı



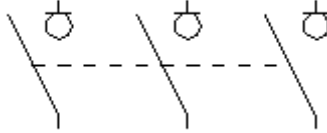
Diferansiyel anahtar ayırıcı



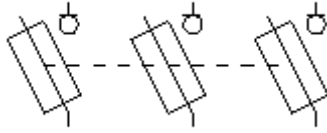
Sigorta anahtarı ayırıcı



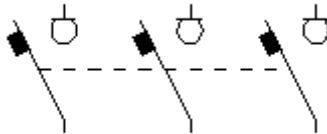
Yük ayırıcı



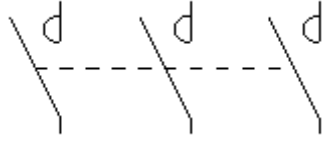
Sigorta anahtarı ayırıcı



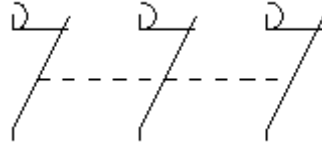
Kendinden açmalı yük ayırıcı



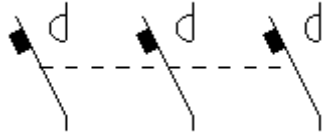
Kontaktör



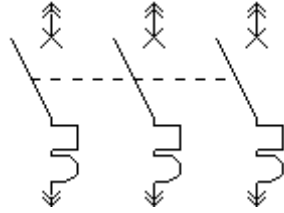
Normalde kapalı kontaktör



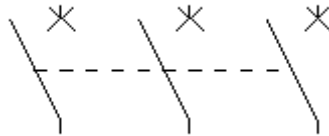
Kendinden açmalı kontaktör



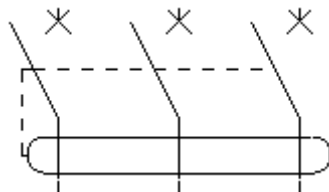
Manyetik termal korumalı devre kesici



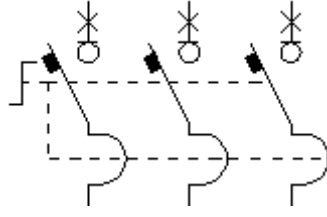
Şalter



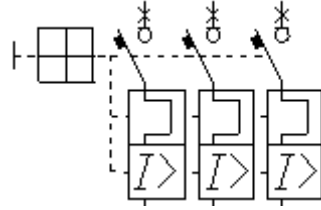
Diferansiyel devre kesici



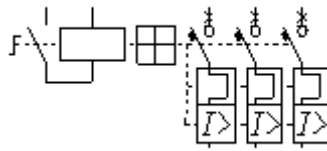
Motor devre kesici



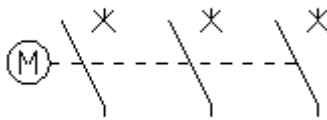
Motor devre kesici



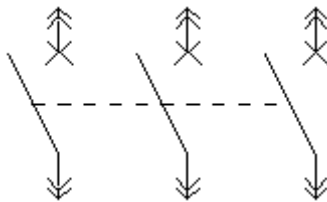
Motor devre kesici



Motor devre kesici

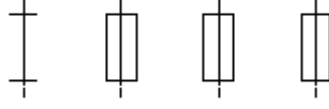


Şalter

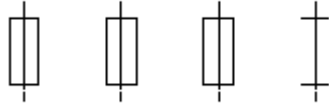


## "Düşük AG Voltajı" sembol kütüphaneleri: Power4

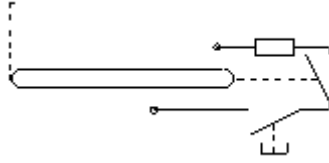
Sigorta 3+N



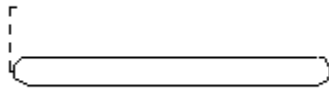
Sigorta 3+N



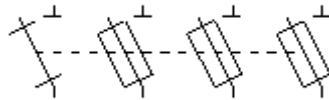
Diferansiyel Blok Testi



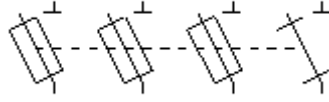
Diferansiyel Blok



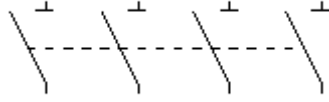
Sigorta izolatörü 3+N



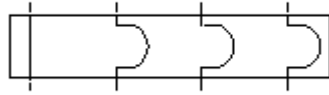
Sigorta izolatörü 3+N



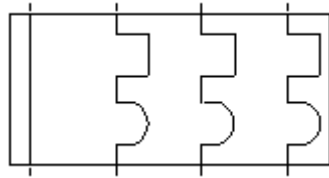
Izolator



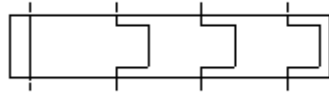
Manyetik Rôle



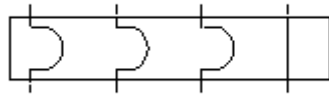
Termik ve Manyetik Rôle



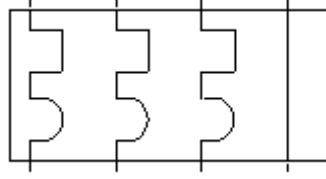
Termal rôle



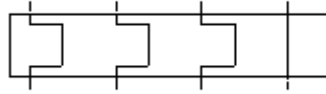
Manyetik Rôle



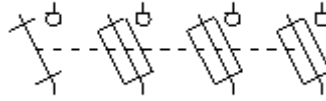
## Termik ve Manyetik Röle



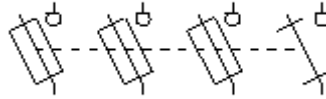
## Termal röle



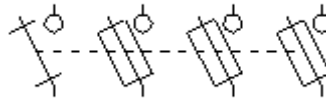
## Yük ayırıcı sigorta 3+N



## Yük ayırıcı sigorta 3+N

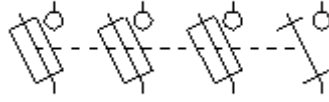


## Sigorta anahtarı ayırıcı 3+N

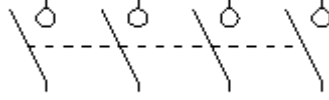


## Sigorta anahtarı ayırıcı 3+N

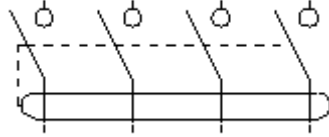




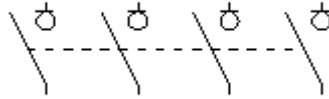
Ayırıcı



Diferansiyel anahtar ayırıcı



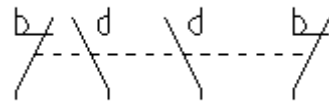
Yük ayırıcı



Kendinden açmalı yük ayırıcı



Kontaktör ZR, ZZ, ZZ, ZR



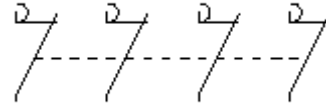
## Kontaktör



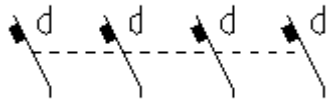
Kontaktör 2 kontak önceden çalışıyor



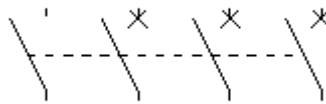
Normalde kapalı kontaktör



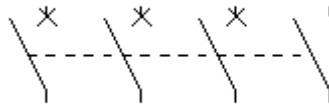
Kendinden açmalı kontaktör



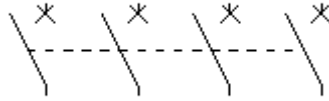
Devre kesici 3+N



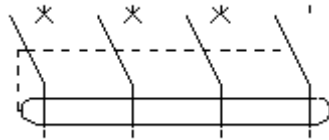
Devre kesici 3+N



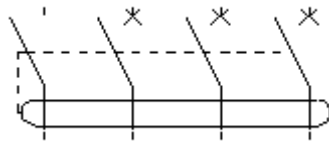
Şalter



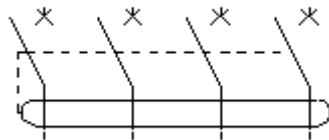
Diferansiyel Devre Kesici 3+N



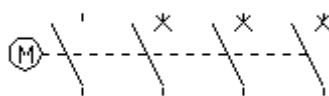
Diferansiyel Devre Kesici 3+N



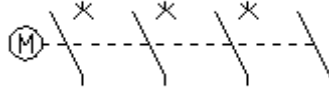
Diferansiyel devre kesici



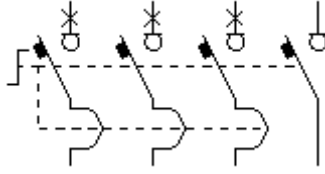
Motor devre kesicisi 3+N



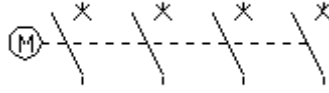
Motor devre kesicisi 3+N



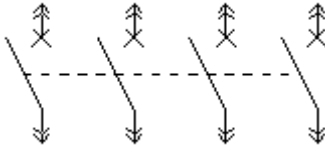
Motor devre kesici



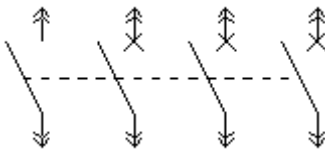
Motor devre kesici



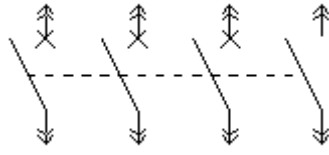
Devre kesici 4



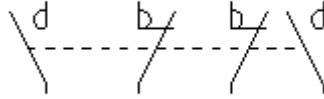
Devre kesici 3+N



Devre kesici 3+N

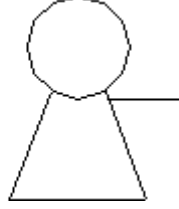


Kontaktör ZZ, ZR, ZR, ZZ

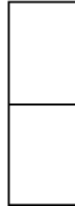


## "Düşük AG Voltajı" sembol kütüphaneleri: Düğme ve anahtar sürücüleri

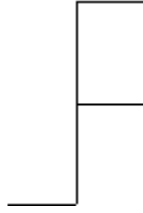
Anahtar tahriki



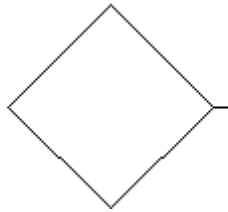
Bas-sür



Rotasyonla sürün



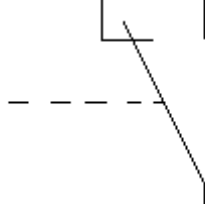
Çıkarılabilir kol tahriki



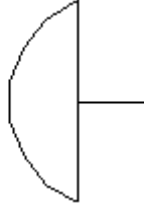
Sınırlı erişime sahip manuel sürücü



Geçiş kontağı, görünmez işaretleme



Güvenlik düğmesi



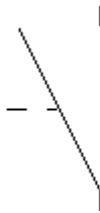
Çekme tahriki



N/C kontağı

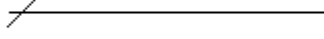


Temas YOK

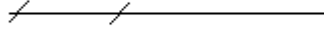


## "Düşük AG Voltajı" sembol kitaplıkları: Kablo tanımı

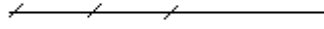
Kablo uni



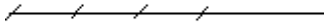
Bi Kablo



Üçlü Kablo



Tetra kablosu

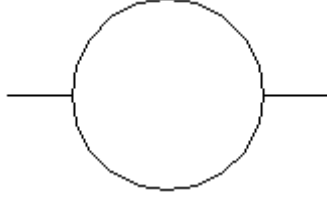


Kablo Tanımı

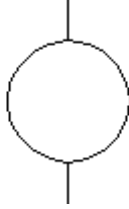


Yatay kelepçe (şerit ve kelepçe)

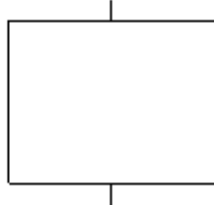




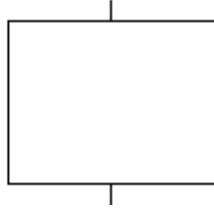
Dikey kelepçe (şerit tanımı, kelepçe)



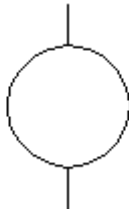
Şerit kelepçe



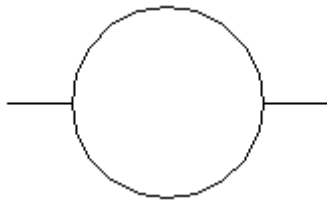
Şerit kelepçe



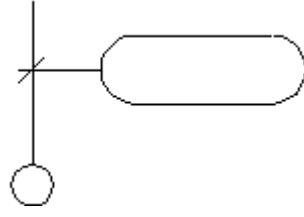
Dikey kelepçe (terminal numarası)



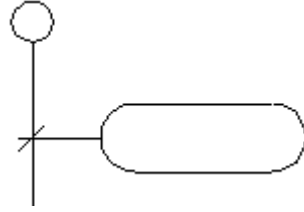
Yatay kelepçe (terminal numarası)



Kablo ile kelepçe

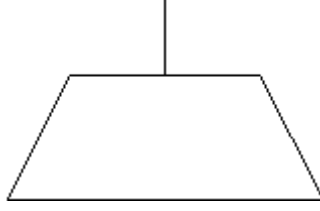


Kablo ile kelepçe

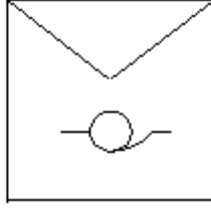


## "Düşük AG Gerilimi" sembol kütüphaneleri: Motorlar

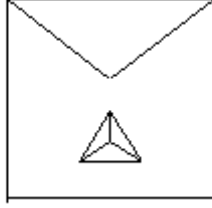
Fren



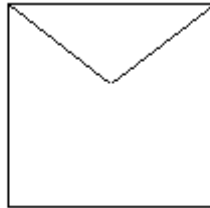
Otomatik transformatör marş motoru



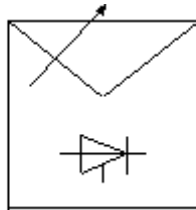
Yıldız-üçgen marş motoru



Motor yol verici



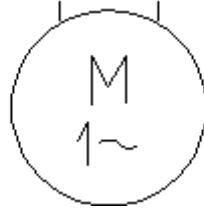
Tristör marş motoru



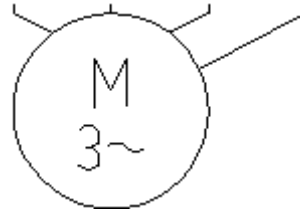
DC Motor



AC 1 Fazlı Motor



3 fazlı asenkron motor. Kafes

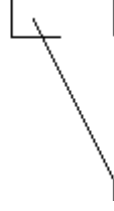


3 fazlı asenkron motor. Anülüs

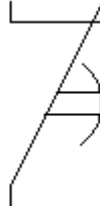


## "Düşük AG Voltajı" sembol kütüphaneleri: Kontaklar

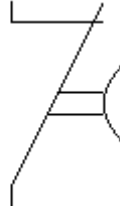
Geçiş kontağı



Açılma gecikmesi ile kapalı kontak



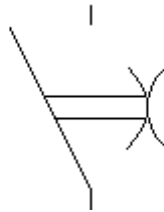
Kapanma gecikmeli N/C kontağı



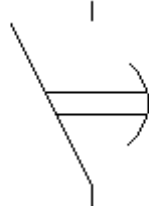
N/C kontağı



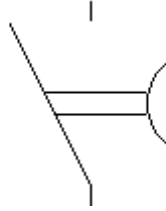
Gecikmeli temas YOK



Açılma gecikmesi ile temas YOK



Kapanma gecikmesi ile temas YOK

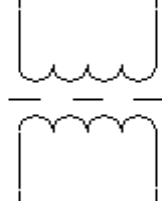


Temas YOK



## "Düşük AG Gerilimi" sembol kütüphaneleri: Transformatörler

İki sargılı tek fazlı transformatör



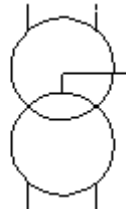
İki sargılı tek fazlı transformatör



Merkez İletken Transformatör



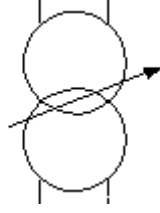
Merkez İletken Transformatör



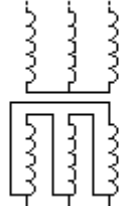
Tek fazlı transformatör. Ayarlar. Birleştirmek



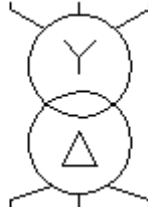
Tek fazlı transformatör ayar noktaları. Birleştirmek



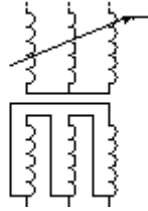
Yıldız-üçgen transformatör



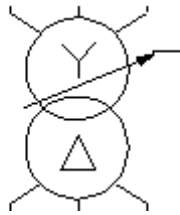
Yıldız-üçgen transformatör



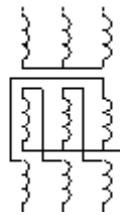
Anahtarlı transformatör. Kan -ca



Anahtarlı transformatör. Kan -ca

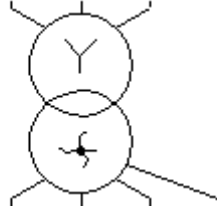


Üç fazlı yıldız zikzak transformatör



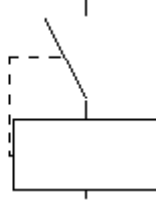


## Üç fazlı yıldız zikzak transformator

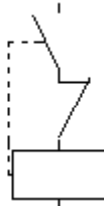


## "Düşük AG Gerilimi" sembol kütüphaneleri: Kontrol ve koruma üniteleri

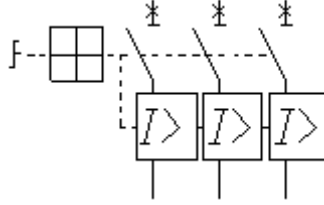
İntegral K için Bobin



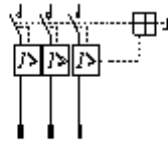
İntegral K için Bobin



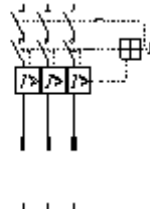
İntegral tip GV



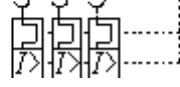
İntegral tip LD1



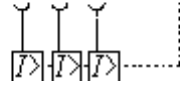
İntegral tip LD4



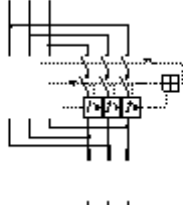
Mıknatıs.-terim koruması. 3. vites.



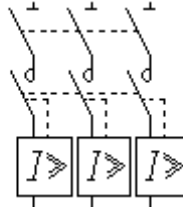
Manyetik koruma 3. vites.



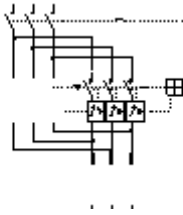
İntegral tip LD5... - 63A



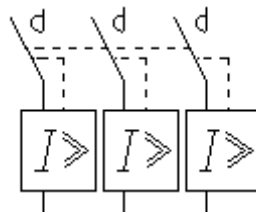
İntegral tip LD5... - 63A



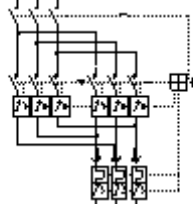
İntegral tip LD5... - 32A



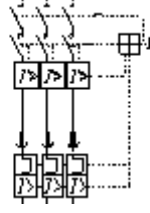
İntegral tip LD5... - 32A



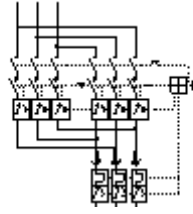
İntegral tip LD5... - 32A



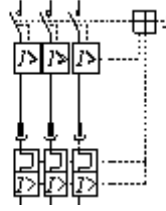
İntegral tip LD4



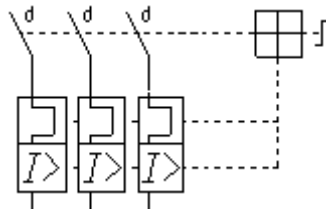
İntegral tip LD5 - 63A



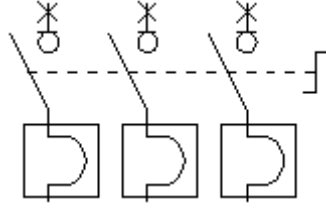
İntegral tip LD1



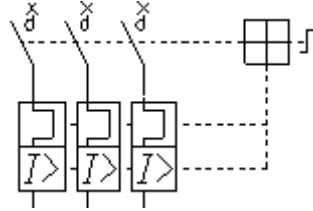
GV13M Serisi



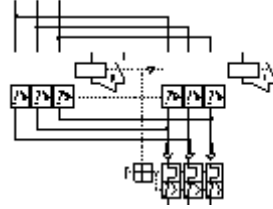
OPTIMAL 25



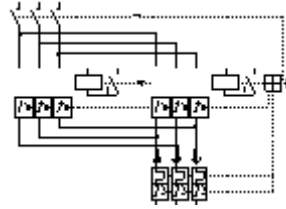
Manyetik termal korumalı devre kesici



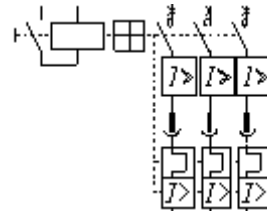
İntegral 18



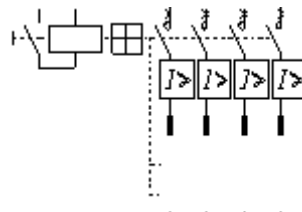
İntegral 32 veya 63



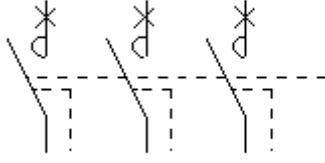
İntegral 63 - 3 kutuplu



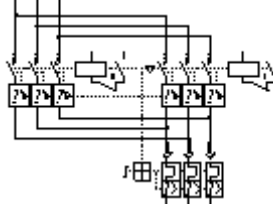
İntegral 32 - 4 kutuplu



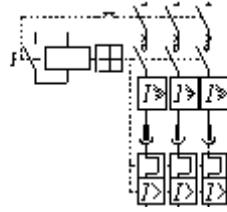
## K integral kontaklar



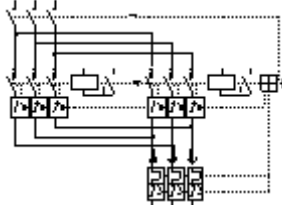
## İntegral tip LD5...



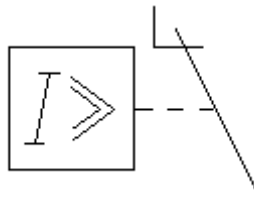
## İntegral tip LD4...



## İntegral 32 veya 63 - 3 kutuplu



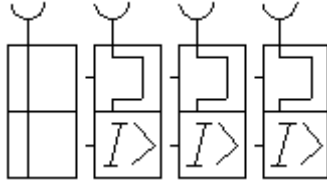
## Kısa devre sinyal kontağı PRZ



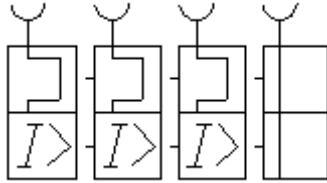
## Yardımcı kontak PRZ



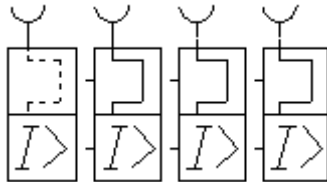
Mıknatıs.-terim koruması. 3 kutuplu + N



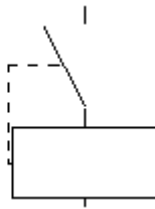
Mıknatıs.-terim koruması. 3 kutuplu + N



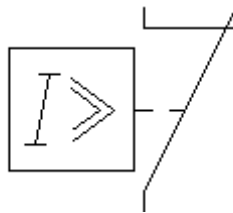
Mıknatıs.-terim koruması. 4 kutuplu



İntegral bobini (Q-core)



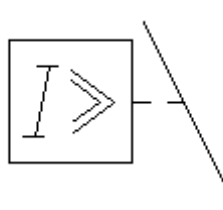
ZR kısa devre sinyal kontağı



ZR yardımcı kontađı



Kısa devre sinyal kontađı ZZ



ZZ yardımcı kontađı





## "Polonya Elektrik Standardı PNE" sembol kütüphaneleri: Anahtarlama ve kontrol ekipmanları

Heyecansız durumda kontaktör, açık kontak



Kendinden açmalı kontaktör



Uyarılmamış durumda N/C kontaktörü, kapalı kontak



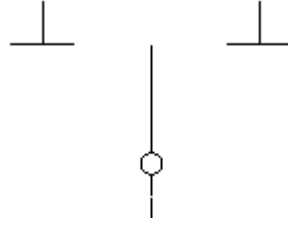
Şalter



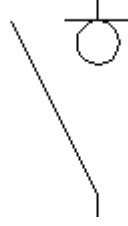
Izolatör



Çift devreli nötr bağlantı kesme anahtarı



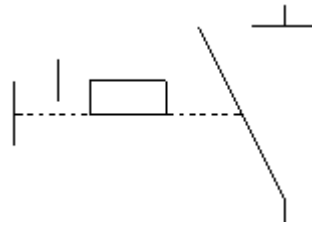
Yük ayırıcı



Kendinden açmalı yük ayırıcı



Kilitli manuel bağlantı kesme anahtarı

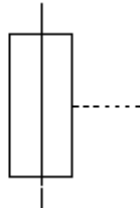


## "Polonya Elektrik Standardı PNE" sembol kitaplıkları: Sigortalar ve sigorta anahtarları

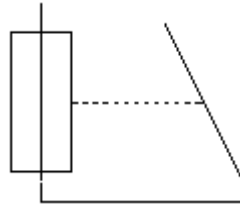
Birleşmek



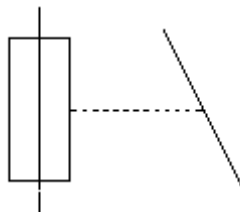
Koparma sigortası



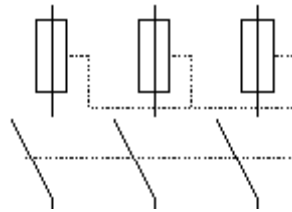
Üç uçlu sinyal kontaklı koparma sigortası



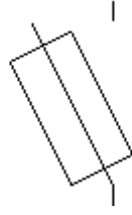
Ayrı sinyal devresine sahip koparma sigortası



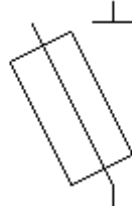
Sigortalardan herhangi birinin atması nedeniyle kendi kendine açılan üç fazlı anahtar



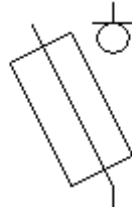
Sigorta anahtarı



Sigorta bağlantı kesme anahtarı

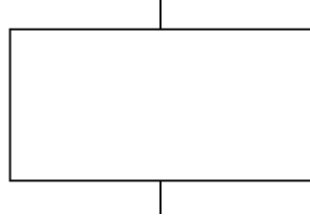


Sigorta anahtarı ayırıcı

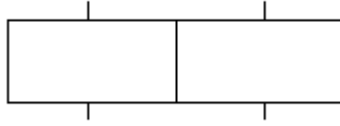


## "Polonya Elektrik Standardı PNE" sembol kütüphaneleri: Sürücü modülleri

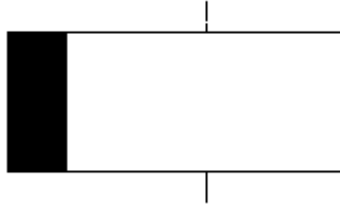
Çift bobin



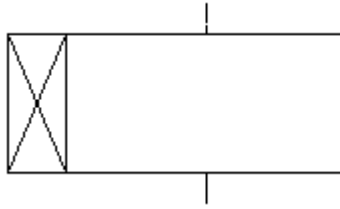
Çift bobin



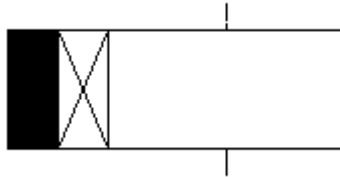
Uyarılmış gecikmeyle çalışan röle bobini



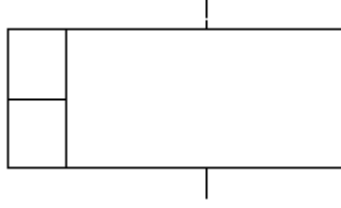
Uyarma gecikmesi ile çalışan röle bobini



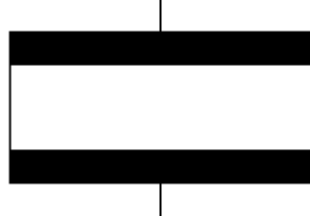
Uyarma ve uyarma için gecikmeli çalışan röle bobini



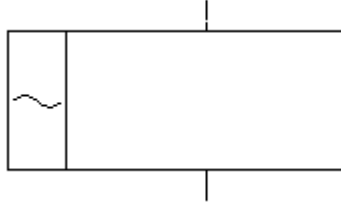
Hızlı Röle Bobini



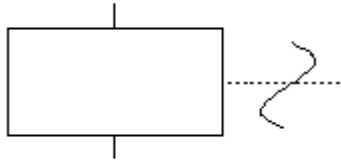
AC Duyarsız Röle Bobini



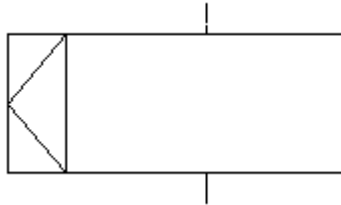
AC Röle Bobini



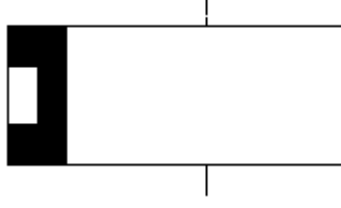
Mekanik Rezonans Röle Bobini



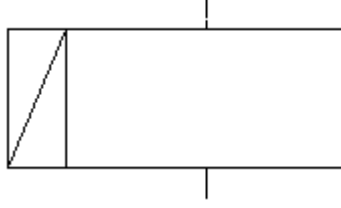
Mekanik kilitlemeli röle bobini



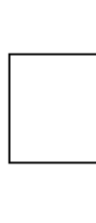
Polarize Röle Bobini



Kalıcılık Röle Bobini

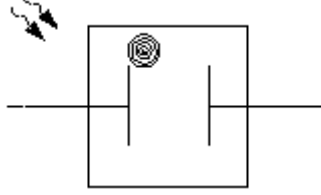


Isı dönüştürücü sürücü modülü

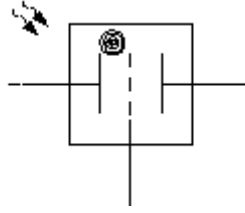


## "Polonya Elektrik Standardı PNE" sembol kütüphaneleri: Radyasyon dedektörleri

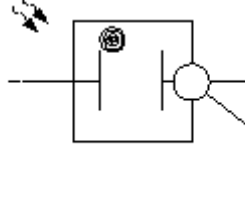
İyonizasyon odası



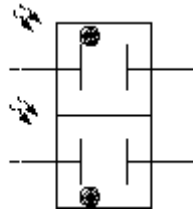
Örgülü iyonizasyon odası



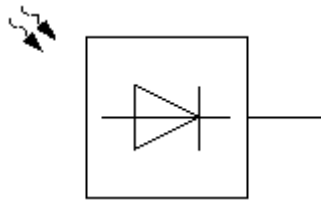
Koruyucu halkalı iyonizasyon odası



Kompanzasyonlu iyonizasyon odası

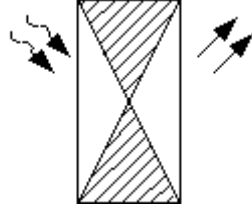


Katı Hal Dedektörü

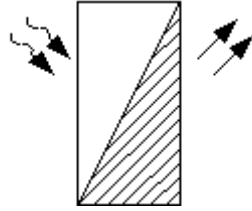


Sintilatör Dedektörü

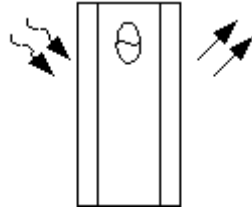




Çerenkov dedektörü



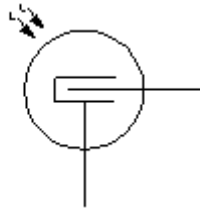
Termominesans dedektör



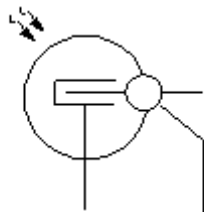
Faraday'ın Kutusu



Radyasyon Sayacı



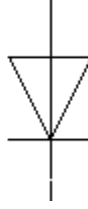
Koruma halkalı radyasyon sayacı



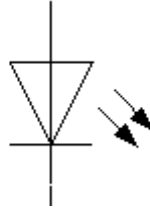


## Sembol kitaplıkları "Polonya Elektrik Standardı PNE": Yarı iletken diyotlar

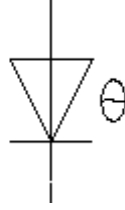
Yarı iletken diyot jenerik sembolü



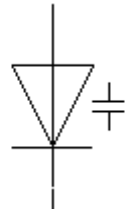
Işık yayan diyot



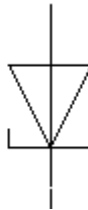
Sıcaklık bağımlılığını kullanan diyot



Değişken kapasitans diyot



Tünel Diyot



Tek Yönlü Çiğ Diyot Voltaj Dengeleyici Esaki Diyot



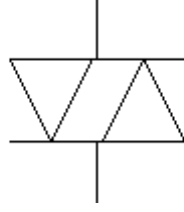
Çift yönlü çığ diyotu



Ters diyot



Çift yönlü diyot (simetrik)

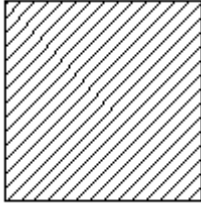


## "Polonya Elektrik Standardı PNE" sembol kütüphaneleri: Enerji Santralleri ve Trafo Merkezleri

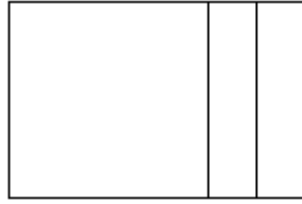
Güç istasyonu



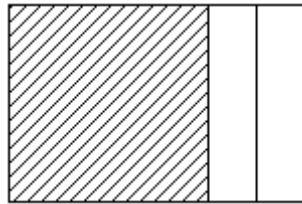
Güç istasyonu



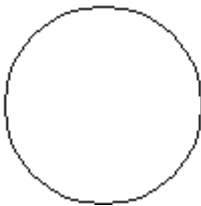
Kombine ısı ve enerji santrali



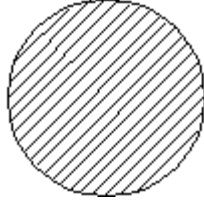
Kombine ısı ve enerji santrali



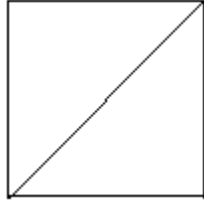
Trafo



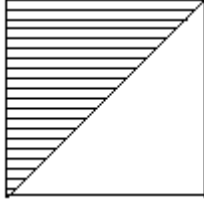
Trafo



Hidroelektrik santrali



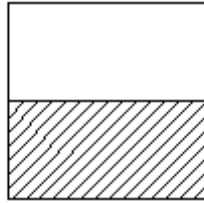
Hidroelektrik santrali



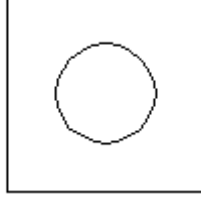
Termik santral



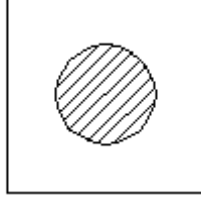
Termik santral



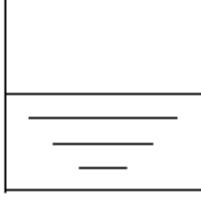
Nükleer santral



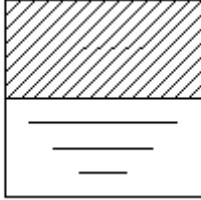
Nükleer santral



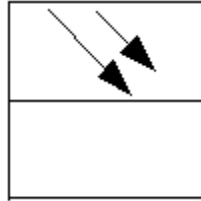
Jeotermal Enerji Santrali



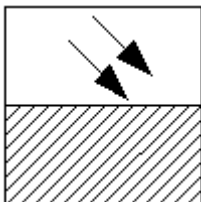
Jeotermal Enerji Santrali



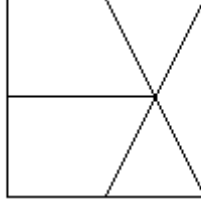
Güneş Enerjisi Santrali



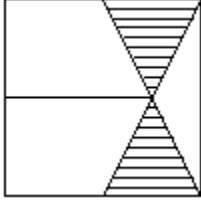
Güneş Enerjisi Santrali



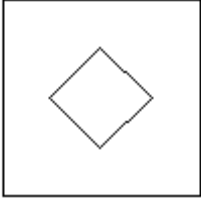
Rüzgar enerjisi santrali



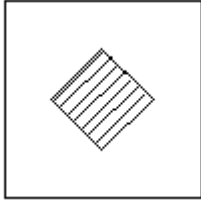
Rüzgar enerjisi santrali



MHD Enerji Santrali



MHD Enerji Santrali



Dönüştürücü istasyonu



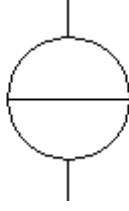
Dönüştürücü istasyonu



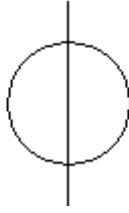


## "Polonya Elektrik Standardı PNE" sembol kütüphaneleri: İdeal Devre Bileşenleri

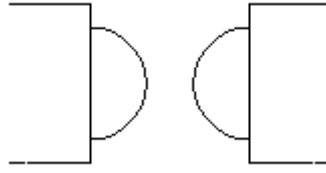
İdeal güç kaynağı



İdeal voltaj kaynağı

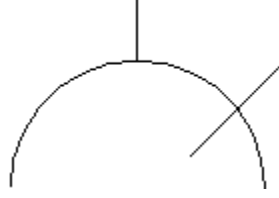


Mükemmel döner

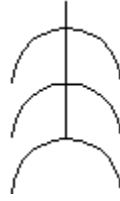


## "Polonya Elektrik Standardı PNE" sembol kitaplıkları: Kurulum soketleri

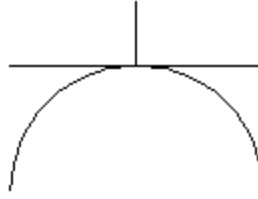
Çoklu kurulum soket çıkışı



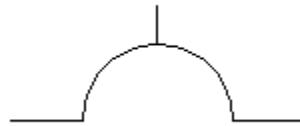
3'lü kurulum soketi



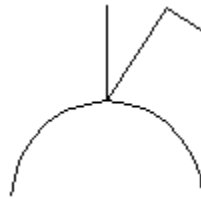
Koruyucu kontaklı priz çıkışı



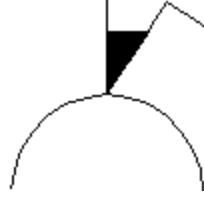
Kapaklı priz çıkışı



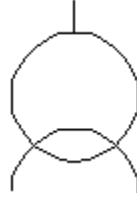
Tek kutuplu konektörlü priz



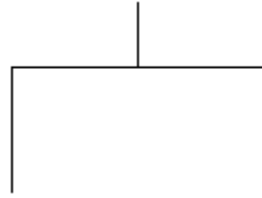
Kilitleme konektörlü soket çıkışı



Transformatörlü priz



Telekomünikasyon tesisatı priz

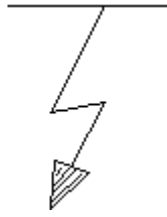


## Sembol kütüphaneleri "Polonya Elektrik Standardı PNE": Diğer genel semboller

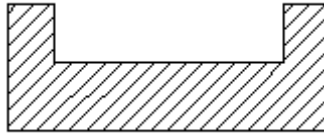
Hasar, varsayılan hasar yerinin belirtilmesi



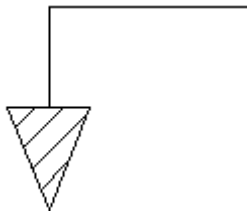
İzolasyon hasarı, atlama, delinme



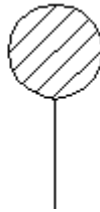
Kalıcı Miknatıs



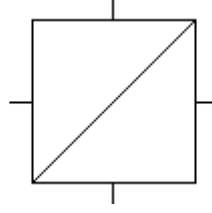
Hareketli kontak, örneğin kayar kontak



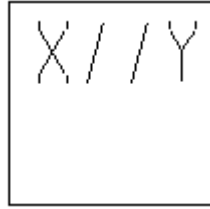
Kontrol (ölçüm) noktası



Genel sembol dönüştürücü

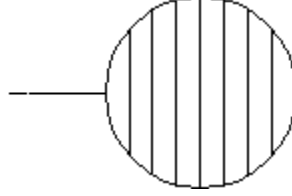


Galvanik ayırıcı

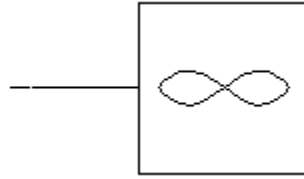


## "Polonya Elektrik Standardı PNE" sembol kitaplıkları: Diğer kurulum ekipmanları

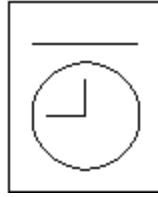
Elektrikli Su Isıtıcı



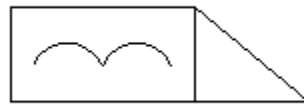
Elektrikli Fan



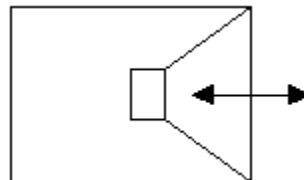
Kontrol Zamanlayıcısı



Elektrikli Kilit



Interkom



## "Polonya Elektrik Standardı PNE" sembol kütüphaneleri: Bina tesisatları

Nötr



Koruyucu iletken



Ortak koruyucu ve nötr iletken



3 fazlı hat, nötr ve koruyucu iletken



Hat yükseliyor



Aşağı Çizgi

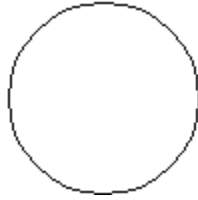




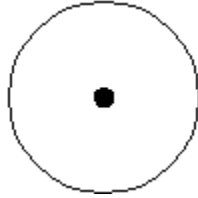
Hat yukarı ve aşağı gidiyor



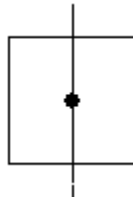
Kutu



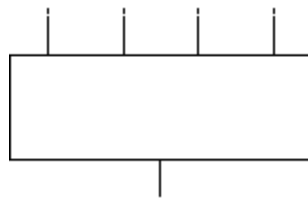
Geçiş veya şube kutusu



Telli bağlantı kutusu



Beş pinli şalt cihazı

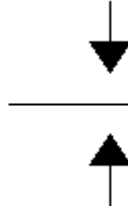


## "Polonya Elektrik Standardı PNE" sembol kütüphaneleri: Kıvılcım boşlukları ve paratonerler

Kıvılcım boşluğu



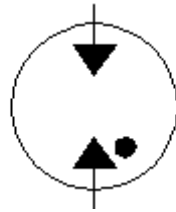
Simetrik kıvılcım aralığı



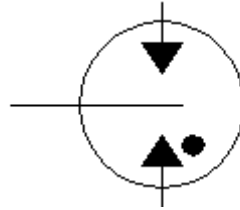
Paratoner



İyon Koruyucu

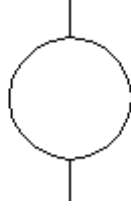


Simetrik iyon koruyucu



## "Polonya Elektrik Standardı PNE" sembol kütüphaneleri: Terminaller

Terminal kelepçesi

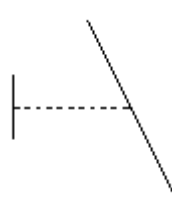


Çok fazlı bir sistemde nötr nokta - tek doğrusal gösterim

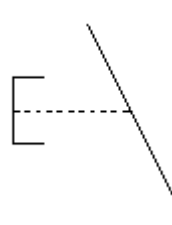


## "Polonya Elektrik Standardı PNE" sembol kütüphaneleri: Bağlantı elemanları

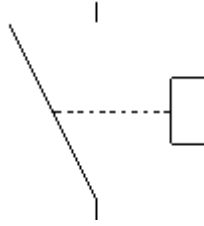
Manuel bağlantı elemanı



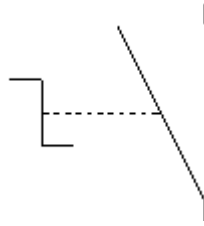
Basmalı düğmeli manuel anahtar (geri dönüş kuvveti ile)



El bağlantısı (geri dönüş kuvveti ile)



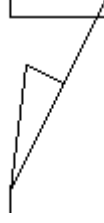
Bükümlü manuel ataşman değiştirici (geri bildirim yok)



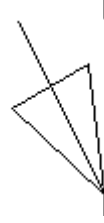
Kontak yolu konektörü YOK



Kontak yolu konektörü YOK



Mekanik tahrikli yol konektörü



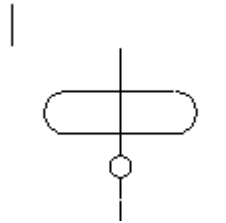
Mekanik tahrikli yol konektörü



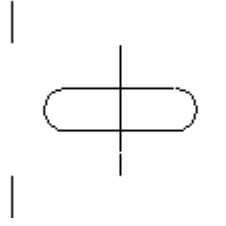
Santrifüj Atalet Kuplörü



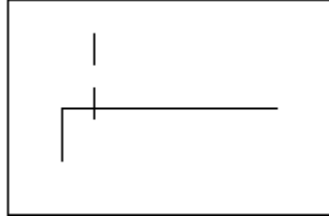
Üç uçlu cıva konektörü



Cıva konektörü dört pimli



Bileşik anahtar

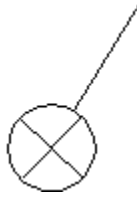


## "Polonya Elektrik Standardı PNE" sembol kütüphaneleri: Kurulum bağlantı elemanları

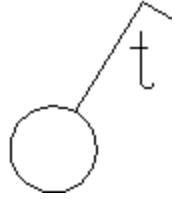
Tire



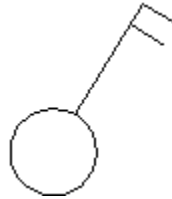
Dahili gösterge ışıklı konektör



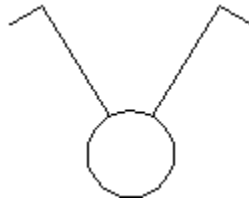
Zaman sınırlı kapatma konektörü



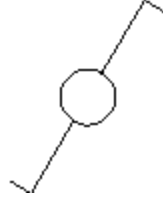
İki kutuplu bağlayıcı



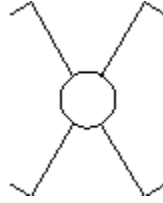
Tek kutuplu şamdan anahtarı



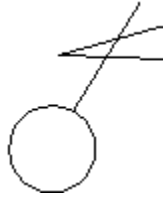
Merdiven konektörü



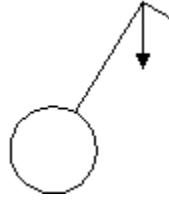
Çapraz anahtar



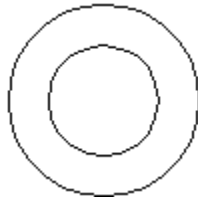
Dimmer



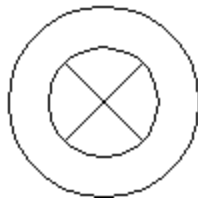
Çekme çubuğu konektörü



Düğme

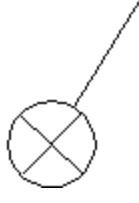


Gösterge ışıklı düğme

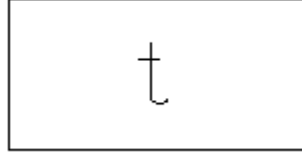


Kısıtlı düğmesi

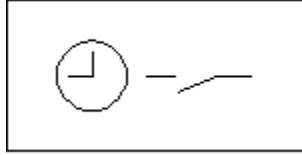




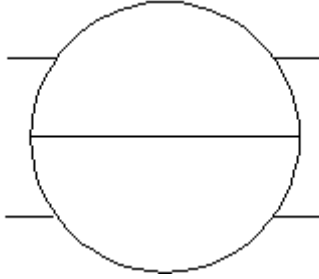
Tarih



Saat Bağlayıcı

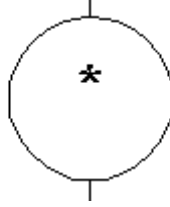


Anahtar kontrollü atışman değıştirici

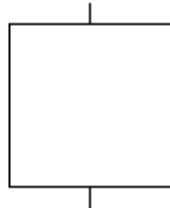


## Sembol kütüphaneleri "Polonya Elektrik Standardı PNE": İşaretleme aletleri, sayaçlar

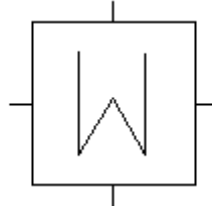
İşaretleme Ölçüm Cihazı



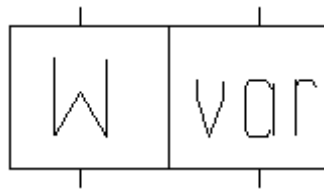
Araç Kayıt Ölçüm Cihazı



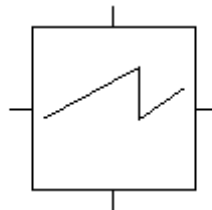
Kayıt wattmetresi



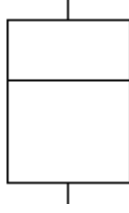
Kayıt cihazı, wattmetre ve varometre



Osilograf



Pay



Amper-saat ölçer



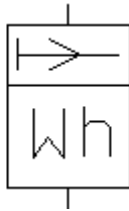
Watt-saat ölçer (aktif enerji)



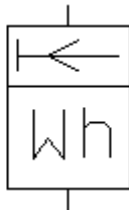
Çoklu tarife ölçer



Watt-saat sayacı



Watt-saat sayacı



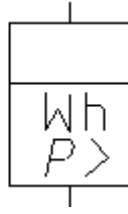
Watt-saat sayacı



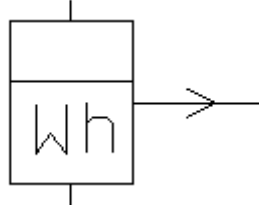
Çok tarifeli watt-saat ölçer



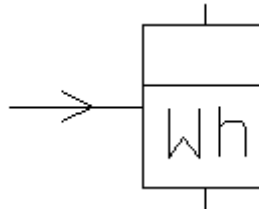
En yüksek watt-saat sayacı



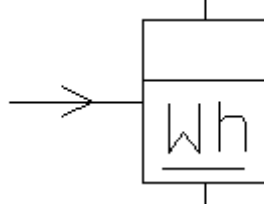
Vericili watt-saat ölçer



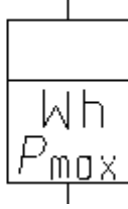
Uzaktan ölçüm ölçer watt-saat sayaç okumalarını tekrarlayan



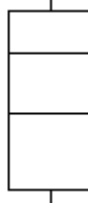
Watt-saat sayaç okumalarını tekrarlayan baskılı cihazlı uzaktan ölçüm ölçer



Maksimum güç tüketimi göstergeli watt-saat ölçer



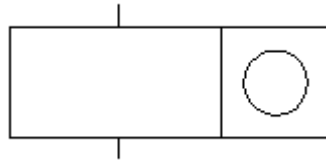
Kaydedici ile sayaç



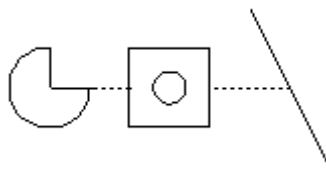
Varo-saat ölçer (reaktif enerji)



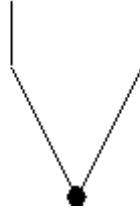
Elektrik Darbe Sayacı



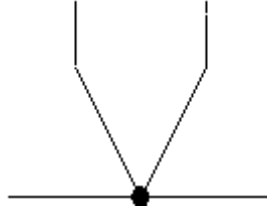
Kam Tahrikli Sayma Cihazı



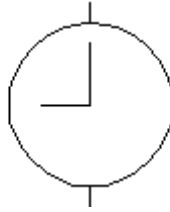
Termokupl



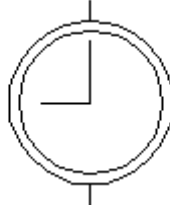
Doğrudan Isı Termoelektrik Dönüştürücü



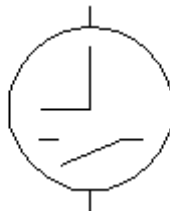
Saat



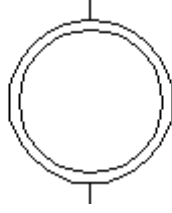
Birincil (Kılavuz) Saat



Konektörlü saat



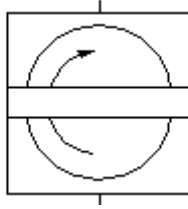
Selsyn - genel sembol



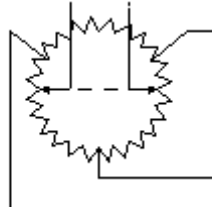
Anlık Kodlayıcı



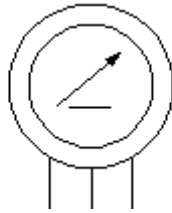
Jiroskop



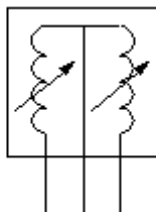
Açısal konum veya DC basınç vericisi



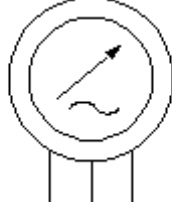
DC açısal konum göstergesi



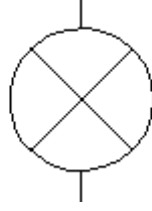
Endüktif Basınç Açısal Konum Göstergesi



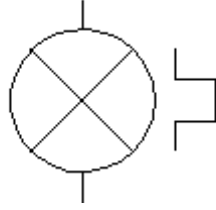
Endüktif Basınç Açısal Konum Göstergesi



Lamba



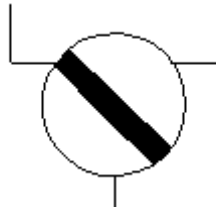
Yanıp sönen ışıklı sinyal lambası



Elektromekanik sinyal klapesi

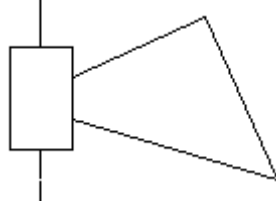


Uyarılmamış durumda bir konum ve iki uyarı durumunda olan elektromekanik konum göstergesi

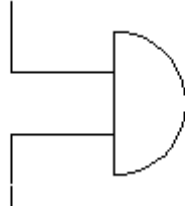


Kayın

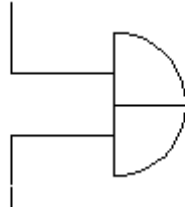




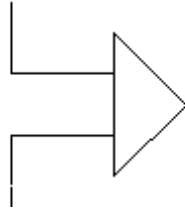
Çan



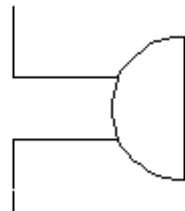
Tek vuruşlu zil (zil)



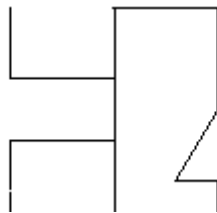
Denizkızı



Zil



Elektrikli düdük





## Sembol kütüphaneleri "Polonya Elektrik Standardı PNE": Çizgiler

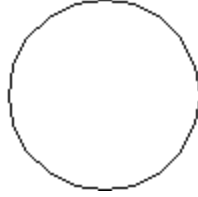
Yeraltı Hattı



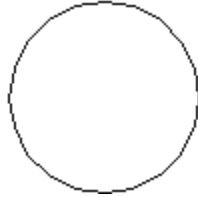
Dalgıç hattı



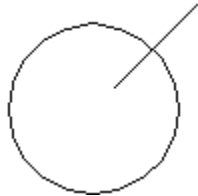
Havai Hat



Bloklar ve borularla sıhhi tesisat



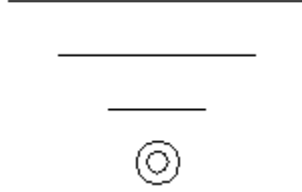
Bloklar ve borularla sıhhi tesisat



Kuyu ve rögar ile hat



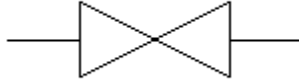
Yeraltı bağlantı noktasına sahip bir hat



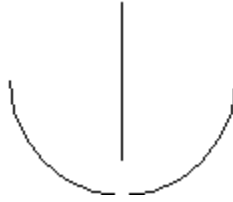
Petrol Gaz Bölme Hattı



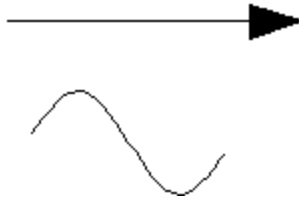
Akış kesme vanalı hat



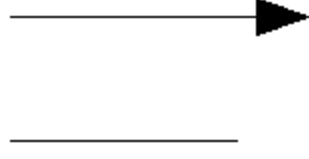
Akış Bölmesi Baypaslı Hat



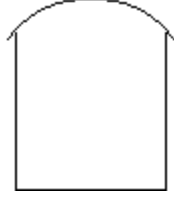
AC telekomünikasyon hattı güç kaynağı



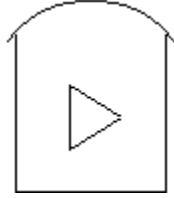
DC Telekomünikasyon Hattı Güç Kaynağı



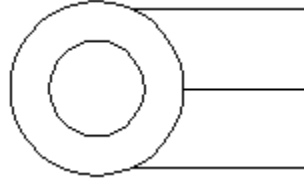
Hava kořullarına dayanıklı kabin kabini



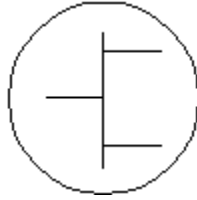
Atmosferik bir kabinde amplifikatör



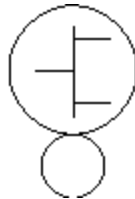
Anahtarlama noktası



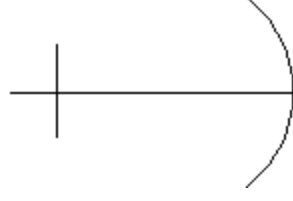
Çizgi Konsantratörü



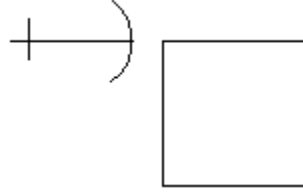
Bir direk üzerinde çizgi yoğunlaştırıcı



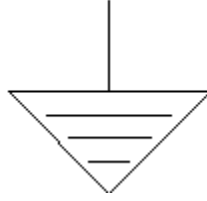
Kablo için sürünme önleyici direnç



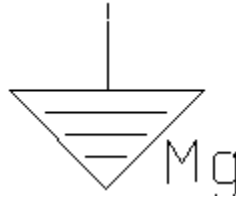
Sürünme önleyici braketli kablo rögarı



Koruyucu anot

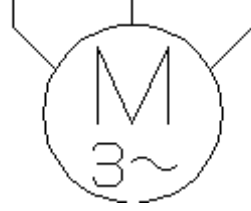


Magnezyum koruyucu anot

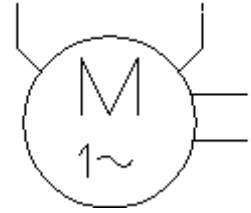


## "Polonya Elektrik Standardı PNE" sembol kütüphaneleri: Asenkron makineler

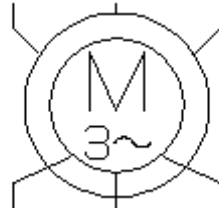
Üç Fazlı Sincap Kafesli Asenkron Motor



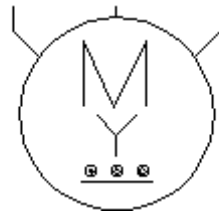
Led çıkışlı tek fazlı sincap kafesli asenkron motor



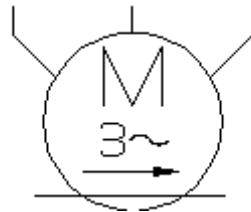
Üç Fazlı Kayma Halkalı Asenkron Motor



Stator Sargı Bağlı Asenkron Motor



Tek yönlü hareket sınırlamalı üç fazlı lineer asenkron motor



## "Polonya Elektrik Standardı PNE" sembol kütüphaneleri: Elektrik makineleri - makine bileşenleri

Komütasyon veya dengeleme sargısı

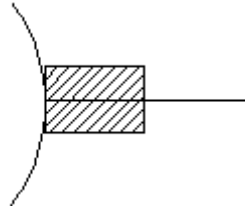


Seri sargı

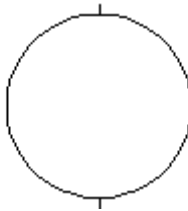


Şönt sargı veya harici güç sargısı

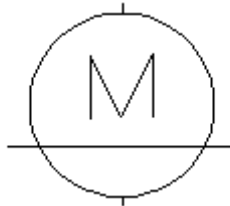
Fırça (kayma halkası veya komütatör üzerinde)



Makine - genel sembol



Lineer Motor

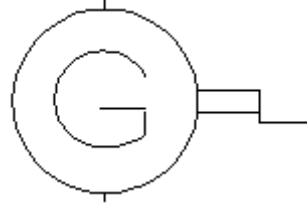


Step motor



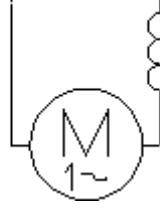


Manuel olarak çalıştırılan jeneratör (indüktör)



## "Polonya Elektrik Standardı PNE" sembol kütüphaneleri: AC komütatör makineleri

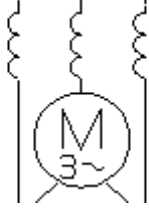
AC Komütatör Motor Tek Fazlı Serisi



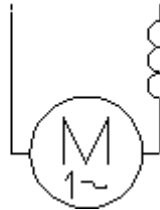
Tek Fazlı İtme Komütatör Motoru



Üç fazlı AC komütatör motoru



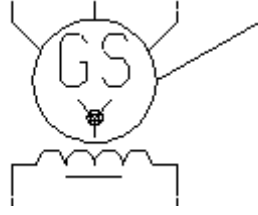
Üç fazlı sabit mıknatıslı senkron jeneratör



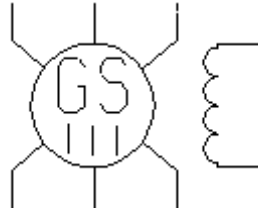
Tek Fazlı Senkron Motor



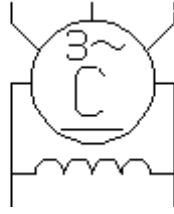
Nötr iletkenli senkron jeneratör



Her faz bandının her iki ucu da dışarı çıkmış üç fazlı senkron jeneratör

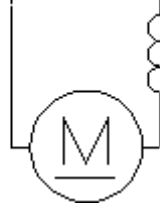


Üç fazlı şönt senkron dönüştürücü



## "Polonya Elektrik Standardı PNE" sembol kütüphaneleri: DC makineleri

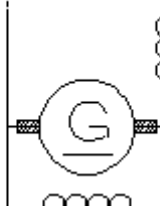
Seri DC Motor



Şönt DC Motor



Seri şönt DC jeneratör



Kalıcı mıknatıslı tek delikli DC döner dönüştürücü

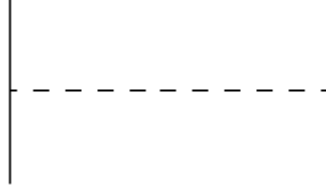


Elektromanyetik uyarma tek delikli DC döner dönüştürücü

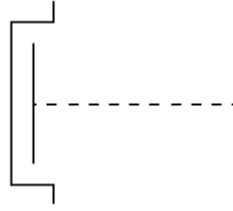


## "Polonya Elektrik Standardı PNE" sembol kütüphaneleri: Sürücüler

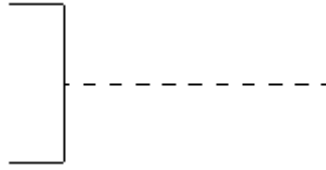
Manuel sürücü genel sembolü



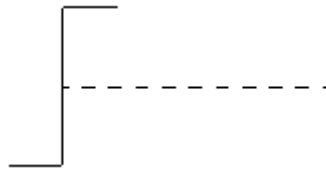
Sınırlı erişime sahip manuel sürücü



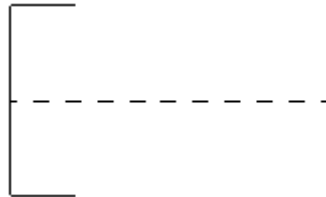
Çekme tahriki



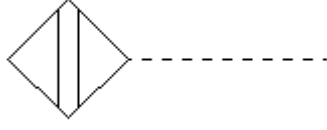
Rotasyonla sürün



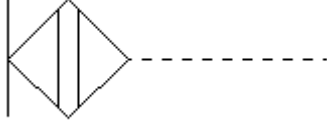
Bas-sür



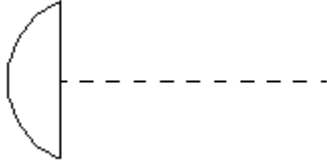
Yakınlık sürücüsü



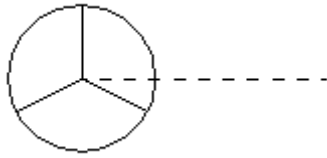
Dokunarak sürün



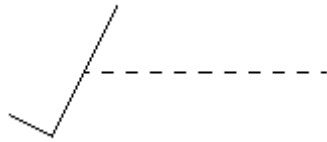
Güvenlik düğmesi



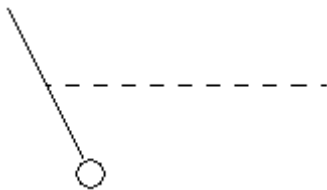
Tekerlekten çekiş



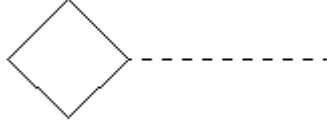
Ayak tahriki (pedal)



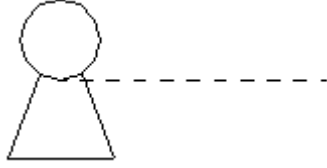
Kol tahriki



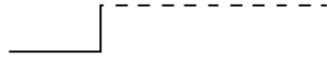
Çıkarılabilir kol tahriki



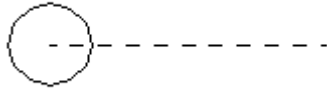
Anahtar tahriki



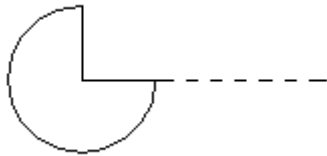
Krank tahriki



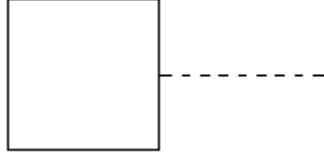
Makaralı tahrik



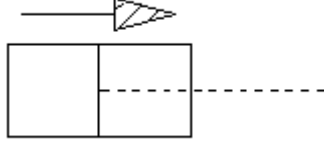
Kam sürücüsü



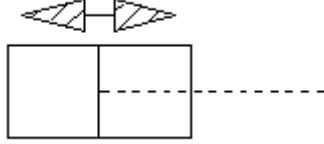
Depolama sürücüsü



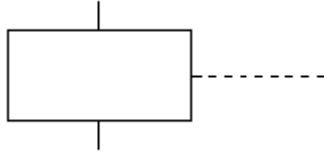
Pnömatik veya hidrolik tek yönlü tahrik



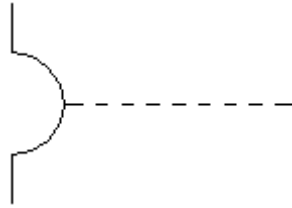
Pnömatik veya hidrolik çift yönlü tahrik



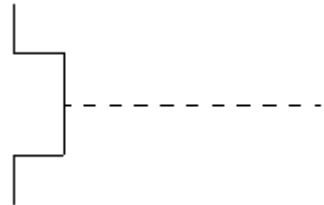
Elektromanyetik sürücü



Sürücü, elektromanyetik aşırı akım koruması ile çalıştırılır

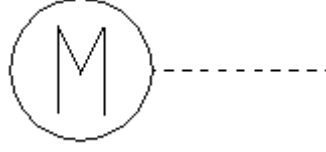


Sürücü, termal aşırı akım koruması ile çalıştırılır





Motor sürücüsü



## Sembol kitaplıkları "Polonya Elektrik Standardı PNE": Etkileşimler veya bağımlılıklar

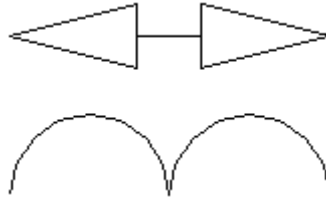
Termal etki



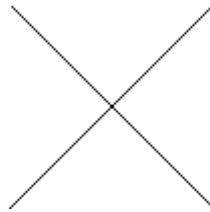
Elektromanyetik etkileşim



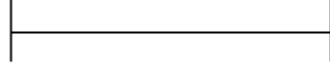
Manyetostriktif etkileşim



Manyetik alan etkileşimi veya manyetik alana bağımlılık

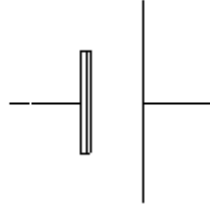


Gecikme

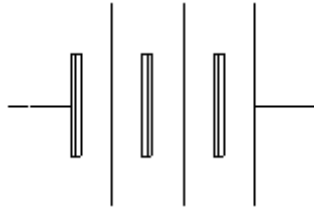


## "Polonya Elektrik Standardı PNE" sembol kitaplıkları: Hücreler, piller

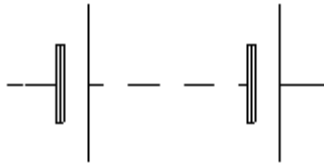
Galvanik pil



Pil bankası

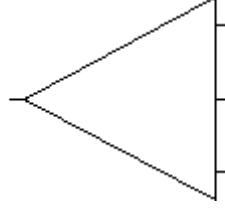


Pil bankası



## "Polonya Elektrik Standardı PNE" sembol kütüphaneleri: Kablo bağlantı parçaları

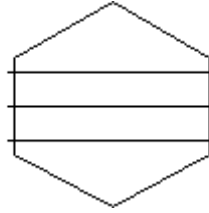
Tek kablolu kablo kafası



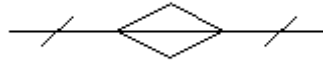
Üç kablolu kablo kafası



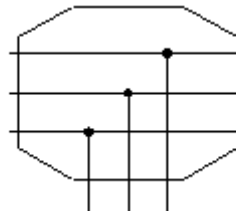
Üç telli delikli kuplör



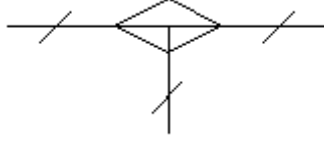
Geçişli ataşman değiştirici



Şube bağlayıcı



Şube bağlayıcı

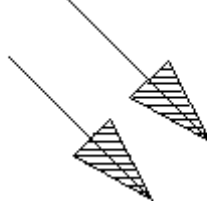


Basınç bariyeri kuplörü

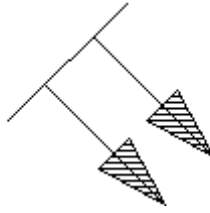


## Sembol kütüphaneleri "Polonya Elektrik Standardı PNE": Radyasyon

İyonlaştırıcı olmayan elektromanyetik radyasyon



İyonlaştırıcı olmayan tutarlı radyasyon

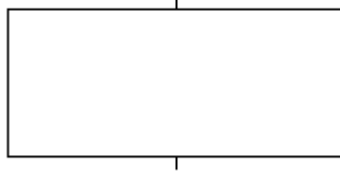


İyonlaştırıcı radyasyon

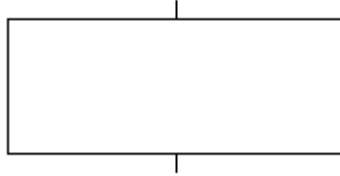


## "Polonya Elektrik Standardı PNE" sembol kütüphaneleri: Ölçüm röleleri

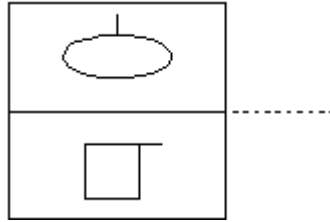
Röle veya ilgili cihaz



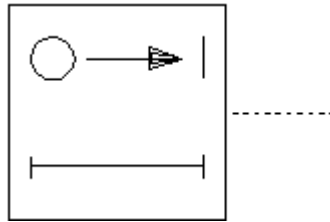
Ölçüm rölesi



Gaz akış anahtarı

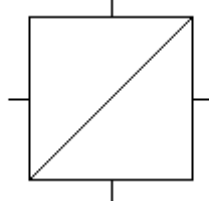


Kendi kendine yeniden bağlanan cihaz

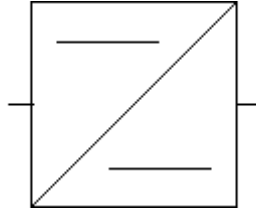


## "Polonya Elektrik Standardı PNE" sembol kütüphaneleri: Güç dönüştürücüler

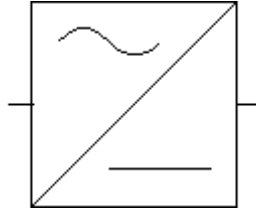
Dönüştürücü



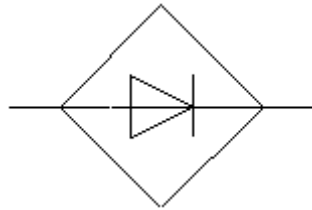
DC Dönüştürücü



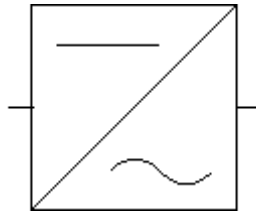
Doğrultucu



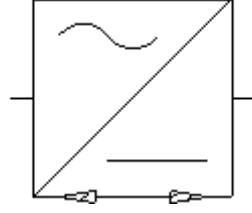
Tam dalga doğrultucu (köprü)



Inverter



Doğrultucu / İnvörtör



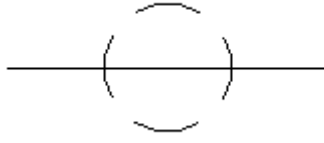


## "Polonya Elektrik Standardı PNE" sembol kütüphaneleri: Teller

Hortum



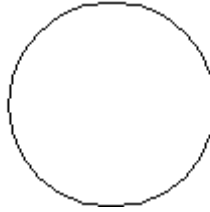
Korumalı kablo



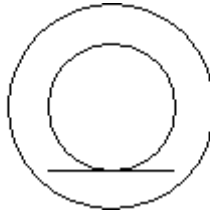
Teller birlikte bükülmüş



Koaksiyel çift



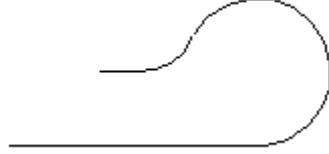
Korumalı koaksiyel çift



Telin veya kablonun ucu bağlı değil

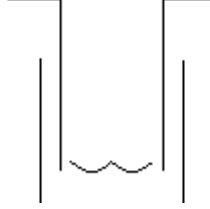


Telin veya kablonun ucu baęlı deęil



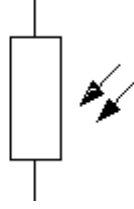
## "Polonya Elektrik Standardı PNE" sembol kütüphaneleri: Elektrokimyasal cihazlar

Sıvı İletkenlik Ölçer

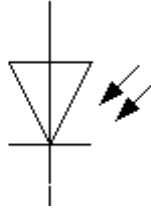


## "Polonya Elektrik Standardı PNE" sembol kütüphaneleri: Işığa duyarlı ve manyetik alana duyarlı cihazlar

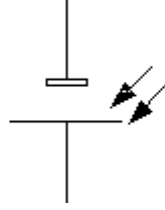
Fotodirenç



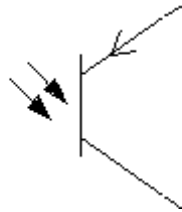
Fotodiyot



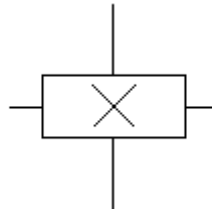
Fotoelektrik Hücre



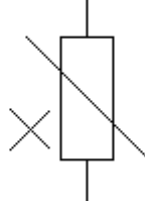
PNP Fototransistör



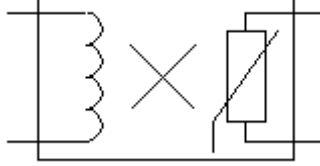
Dört uçlu salon jeneratörü



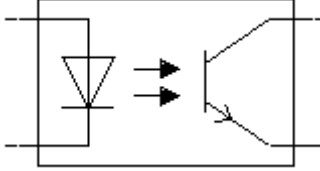
Manyetik Alana Bağlı Direnç, Doğrusal Tip



Manyetik Baęlayıcı



Işıık yayan diyot ve fototransistörlü optik kuplör

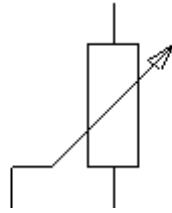


## Sembol kitaplıkları "Polonya Elektrik Standardı PNE": Dirençler ve transistörler

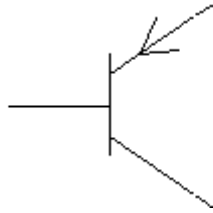
Direnç



Ayarlanabilir direnç



Transistör



## "Polonya Elektrik Standardı PNE" sembol kitaplıkları: Akım ve gerilim türleri

Doğru akım



AC



Orta Frekanslı Alternatif Akım



Yüksek frekanslı alternatif akım



Dalgalanma akımı (alternatif bileşenli)

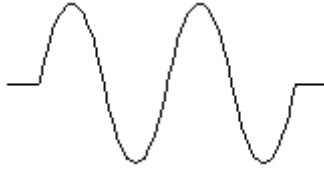


## "Polonya Elektrik Standardı PNE" sembol kütüphaneleri: Bakliyat türleri

Pozitif Nabız



AC Nabız



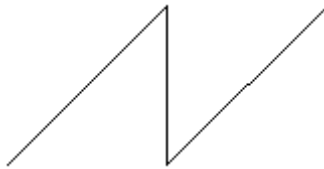
Pozitif adım fonksiyonu



Negatif adım fonksiyonu



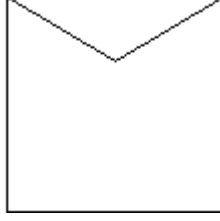
Bir dizi testere diři darbesi



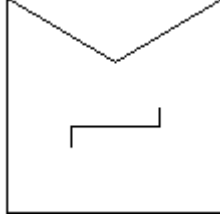
## "Polonya Elektrik Standardı PNE" sembol kütüphaneleri: Motor yol vericiler

Motor yol verici

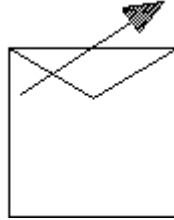




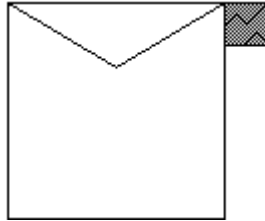
Adım marş



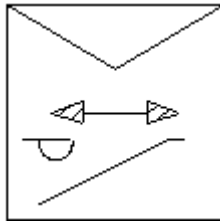
Marş regülatörü



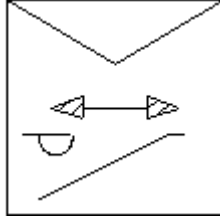
Kendinden açmalı marş motoru



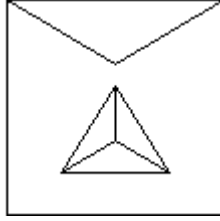
Geri vites motoru için kontaktör doğrudan marş motoru



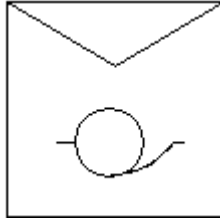
Geri vites motoru için kontaktör doğrudan marş motoru



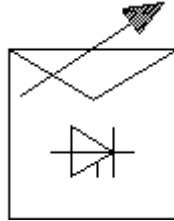
Yıldız-üçgen marş motoru



Otomatik transformatör marş motoru

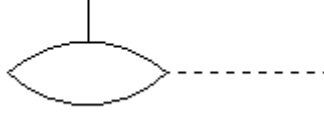


Marş motoru-tristör regülatörü

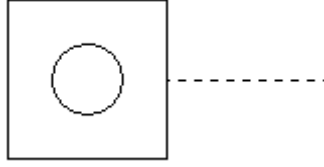


## "Polonya Elektrik Standardı PNE" sembol kütüphaneleri: Elektriksel olmayan büyüklüklerle kontrol

Şamandıra kontrolü



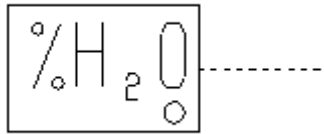
Sayma cihazının kontrolü (olay sayısına bağlı olarak)



Akışa bağlı kontrol



Bağıl neme bağlı kontrol

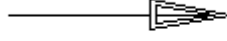


## "Polonya Elektrik Standardı PNE" sembol kütüphaneleri: Mekanik kontrol

Mekanik, pnömatik veya hidrolik bağlantı

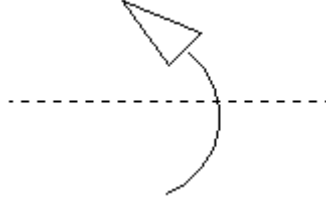
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Kuvvet veya Hareket Yönüne Bağlantı

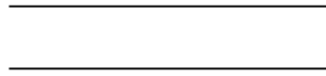


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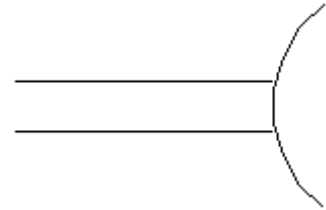
Kuvvet veya Hareket Yönüne Bağlantı



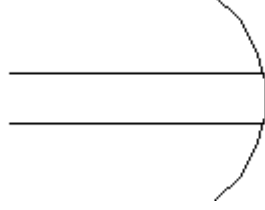
Bağlantı Formu İki



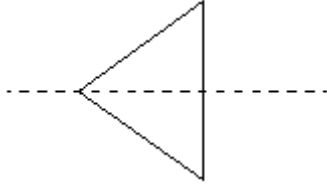
Gecikmeli eylem



Gecikmeli eylem



Kendinden tahrikli dönüş



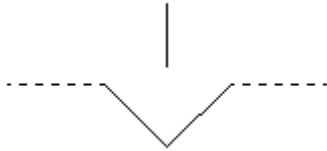
Pozisyon tutucu



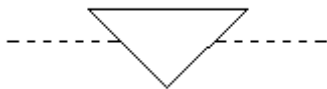
Konum tutucu ayrıştırılmış



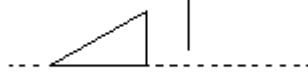
Birleştirilmiş konum tutucu



İki cihaz arasında mekanik kilitleme



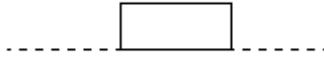
Mandal ayrılmış



Cırcır bağlantılı



Kilitleme mekanizması



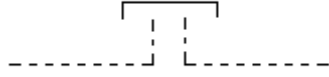
Kilitli durumda kilitleme mekanizması



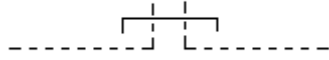
Kaplin, mekanik kaplin



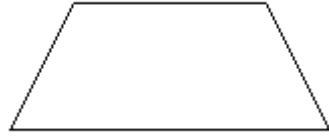
Debriyaj devreden çıkarıldı



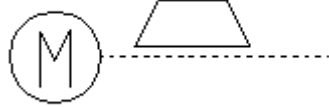
Bağlama



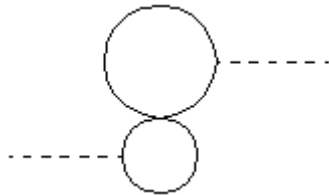
Fren



Fren frenli frenli elektrik motoru

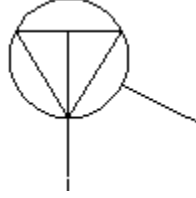


Düz diřli

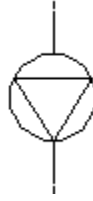


## "Polonya Elektrik Standardı PNE" sembol kütüphaneleri: Kablo dağıtım sistemleri

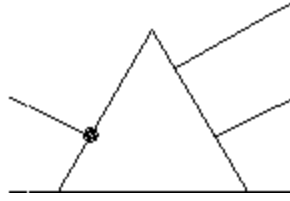
Yerel anten beslemeli kafa



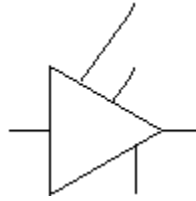
Yerel antensiz kafa



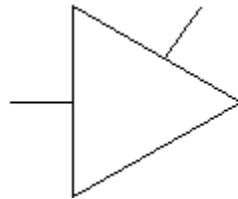
3 çıkışlı köprüleme amplifikatörü



Lineer Köprüleme Amplifikatörü

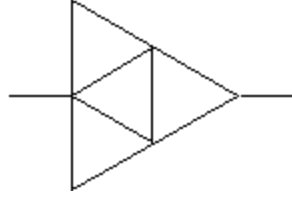


Dağıtım Hattı Sonu Amplifikatörü

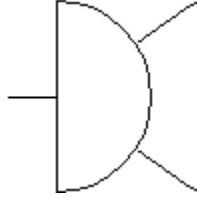


Dönüş Kanalı Amplifikatörü

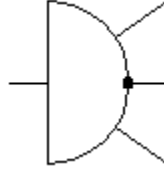




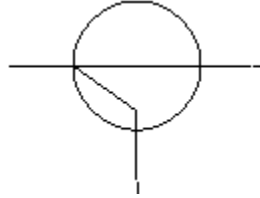
İki manifold



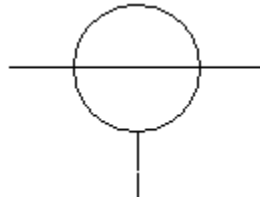
3 manifold



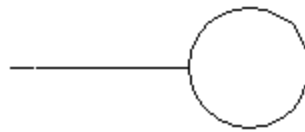
Yönlü bağlayıcı



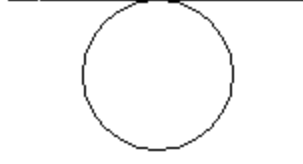
Abone bağlantısı



Son abone çıkışı



Bir döngüde abone çıkışı



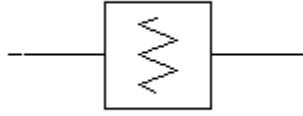
Düzeltilme



Ayarlanabilir ekolayzır



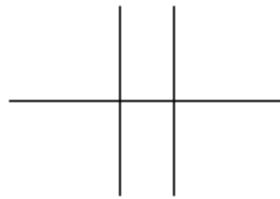
Haritalarda kullanılan susturucu sembolü



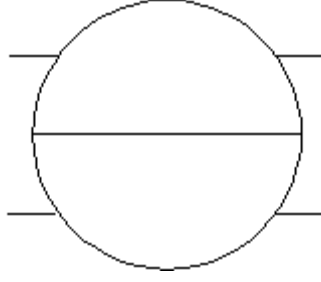
AC Lineer Güç Kaynağı



Güç Kilidi



Güç Ekleme Noktası



## "Polonya Elektrik Standardı PNE" sembol kütüphaneleri: Transformatörler ve bobinler

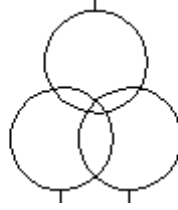
Trafo



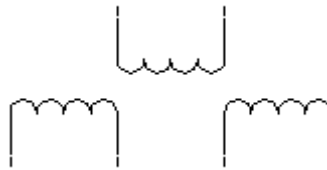
Çift sargılı transformatör



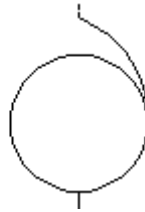
Üç sargılı transformatör



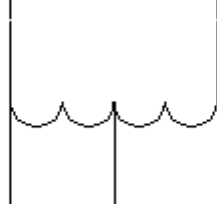
Üç sargılı transformatör



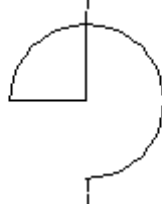
Otomatik transformatör



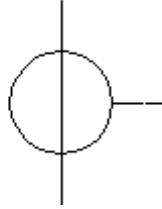
Otomatik transformatör



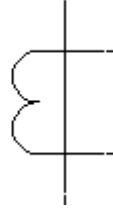
Bastırıcı



Akım Trafosu



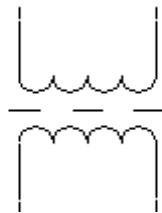
Akım Trafosu



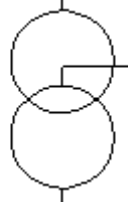
İki sargılı ve blendajlı tek fazlı transformatör



İki sargılı ve blendajlı tek fazlı transformatör



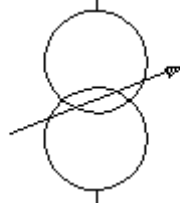
Bir sargıdan merkez iletken ledli tek fazlı transformatör



Bir sargıdan merkez iletken ledli tek fazlı transformatör



Ayarlanabilir kaplinli tek fazlı transformatör



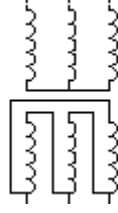
Ayarlanabilir kaplinli tek fazlı transformatör



Bir sargısı bir yıldızla, diğeri bir üçgenle ilişkilendirilmiş üç fazlı bir transformatör



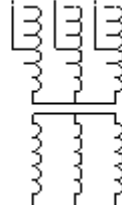
Bir sargısı bir yıldızla, diğeri bir üçgenle ilişkilendirilmiş üç fazlı bir transformatör



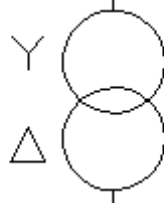
Her iki sargısı da bir yıldızla ilişkilendirilmiş dört tırnaklı üç fazlı transformatör



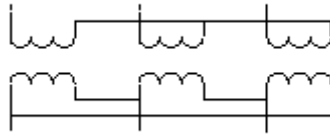
Her iki sargısı da bir yıldızla ilişkilendirilmiş dört tırnaklı üç fazlı transformatör



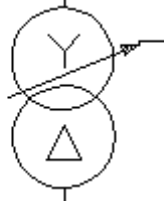
Bir tarafta bir yıldız ve diğer tarafta bir üçgene birleştirilen bir dizi tek fazlı transformatör



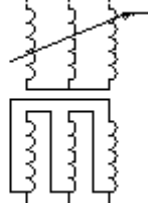
Bir tarafta bir yıldız, diğer tarafta bir üçgen oluşturmak için birleştirilmiş üç tek fazlı transformatör seti



Yük altında kademe değıştiricili, bir sargısı bir yıldızla ve diğeri bir üçgenle ilişkilendirilmiş üç fazlı transformatör



Yük altında kademe değıştircili, bir sargısı bir yıldızla ve diğeri bir üçgenle ilişkilendirilmiş üç fazlı transformatör

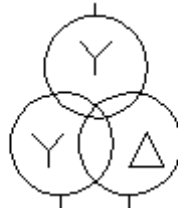


Bir yıldızla ilişkili bir sargıya ve nötr bir iletken ile zikzak deseninde ilişkili ikinci bir sargıya sahip üç fazlı transformatör

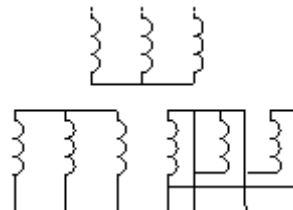


Bir yıldızla ilişkili bir sargıya ve nötr bir iletken ile zikzak deseninde ilişkili ikinci bir sargıya sahip üç fazlı transformatör

Bir yıldızla ilişkili bir birincil sargıya ve biri bir yıldızla ve diğeri bir üçgenle ilişkili iki ikincil sargıya sahip üç fazlı bir transformatör

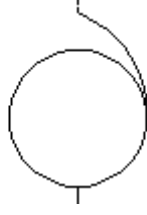


Bir yıldızla ilişkili bir birincil sargıya ve biri bir yıldızla ve diğeri bir üçgenle ilişkili iki ikincil sargıya sahip üç fazlı bir transformatör

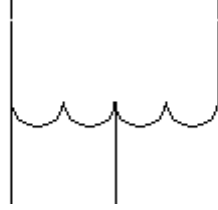




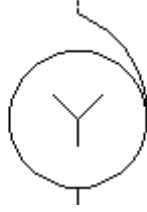
Tek fazlı otomatik transformatör



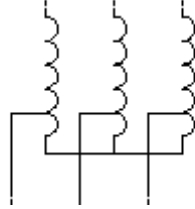
Tek fazlı otomatik transformatör



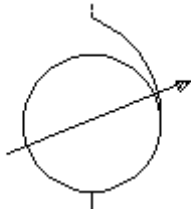
Yıldızla ilişkili sargılara sahip üç fazlı ototransformatör



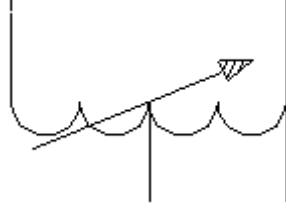
Yıldızla ilişkili sargılara sahip üç fazlı ototransformatör



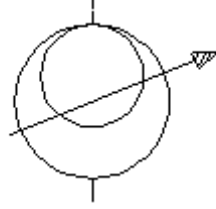
Tek fazlı ayarlanabilir otomatik transformatör



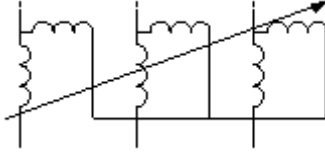
Tek fazlı ayarlanabilir otomatik transformatör



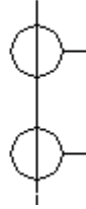
Endüktif Regülatör



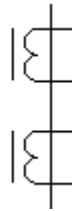
Üç fazlı indüksiyon regülatörü



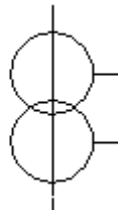
Çift çekirdekli akım trafosu



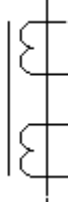
Çift çekirdekli akım trafosu



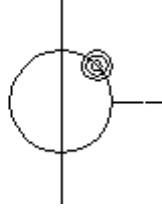
Tek damarlı akım trafosu



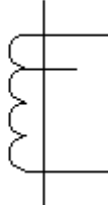
Tek damarlı akım trafosu



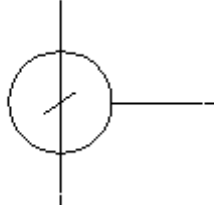
Üç uçlu akım trafosu



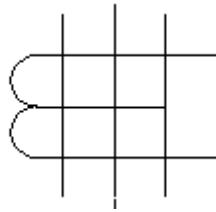
Üç uçlu akım trafosu



Akım Trafosu

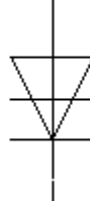


Üç çubuk şeklinde primer sargılı akım trafosu

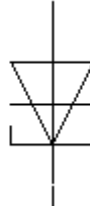


## Sembol kütüphaneleri "Polonya Elektrik Standardı PNE": tristörler

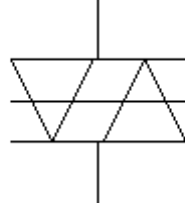
Ters Bloke Diyot Tristör



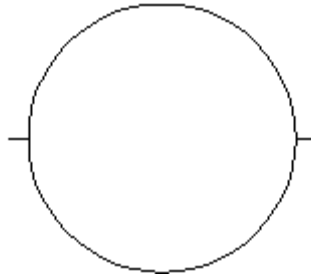
Geri iletken diyot tristör



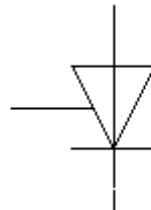
Çift yönlü diyot tristör (simetrik)



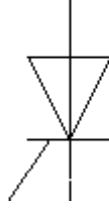
Triyot tristör tipi belirtilmemiş



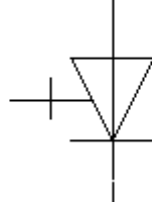
Kapılı arkadan kilitlemeli triyot tristör; anot tarafından kontrol edilir



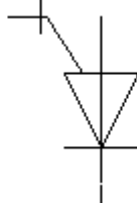
Kapılı arkadan kilitlemeli triyot tristör; katot tarafından kontrol edilir



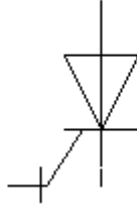
Belirsiz kapılı triyot ayırma tristörü



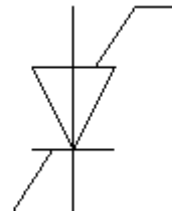
Kapıdan kapıya çıkarılabilir triyot tristör; anot tarafından kontrol edilir



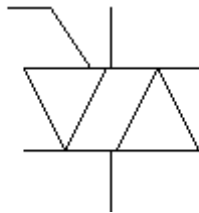
Triyot, tristörü kapı ile ayırır; katot tarafından kontrol edilir



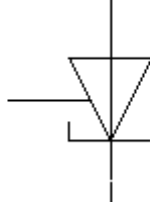
Geri bloke tetrode tristör



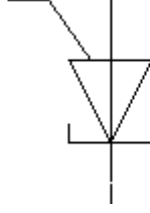
Çift yönlü triyot tristör (simetrik)



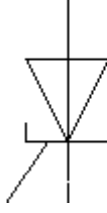
Belirsiz kapılı geriye doğru iletken triyot tristör



Kapılı geri iletken triyot tristör; anot tarafından kontrol edilir

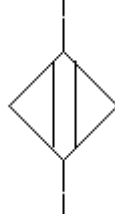


Kapılı geri iletken triyot tristör; katot tarafından kontrol edilir

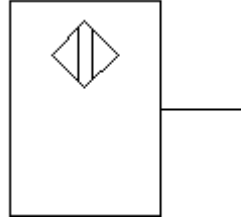


## "Polonya Elektrik Standardı PNE" sembol kitaplıkları: Dokunma ve yakınında çalışan cihazlar

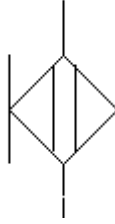
Yakınlık sensörü



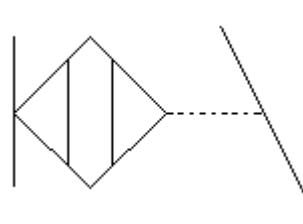
Yakınlık cihazı



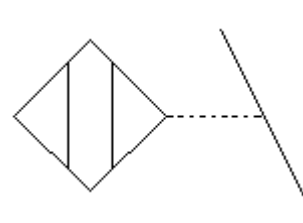
Dokunmatik Sensör



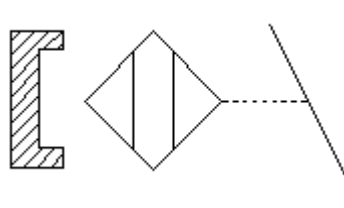
N/O dokunmatik anahtarı



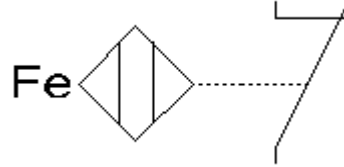
Yakınlık anahtarı YOK



HİÇBİR kontaklı mıknatısa yaklaşıldığında çalışan bağlantı elemanı



N/C kontaklı ütünün yakınında çalışan bağlantı elemanı



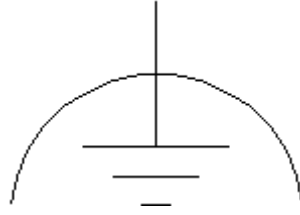


## "Polonya Elektrik Standardı PNE" sembol kütüphaneleri: Topraklama, Gövdeye Bağlantı, Muhafaza, Eşpotansiyellik

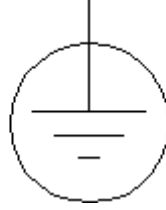
Topraklama - genel sembol



Gürültüsüz topraklama



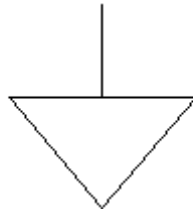
Koruyucu topraklama



Muhafazaya ağırlık bağlantısı

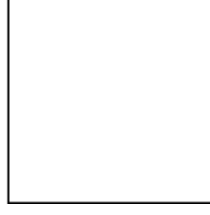


Eşpotansiyellik



## "Polonya Elektrik Standardı PNE" sembol kütüphaneleri: Sargılar, dahili bağlantılar

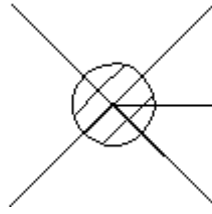
İki fazlı sargı



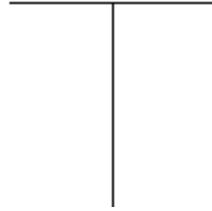
Üç fazlı sargı V sistemi



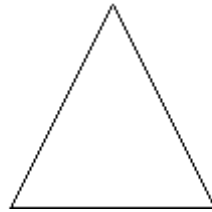
Nötr iletkenli dört fazlı sargı



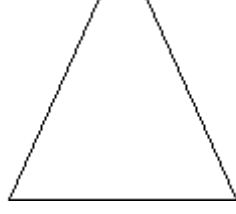
Üç fazlı sargı, T-düzenlemesi (iki fazlı-üç fazlı sargı)



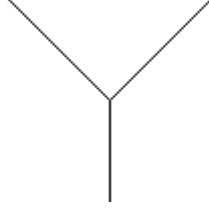
Üçgen



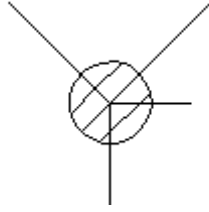
Açık Üçgen



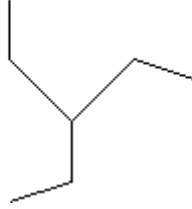
Yıldız



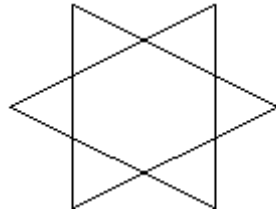
Nötr telli yıldız



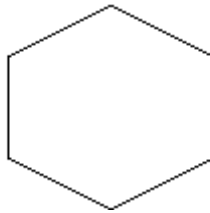
Zikzak



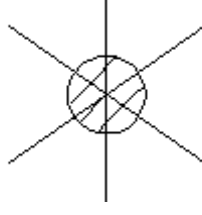
Altı fazlı sargı - çift üçgen



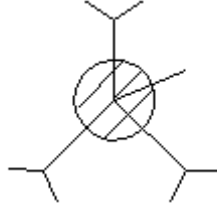
Altıgen Altı Fazlı Sargı



Altıgen yıldız sargısı

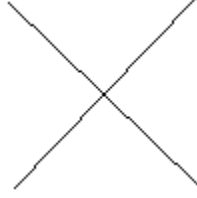


Nötr iletkenli altı fazlı zikzak sargısı

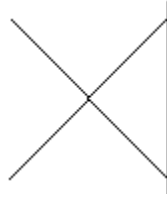


## "Polonya Elektrik Standardı PNE" sembol kütüphaneleri: Kurulum aydınlatma armatürleri ve aydınlatma armatürleri

Aydınlatma çıkışı



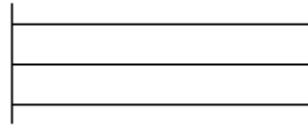
Duvar aydınlatma prizi



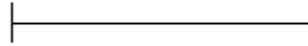
Floresan lamba armatürü



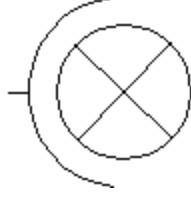
3 lambalı armatür



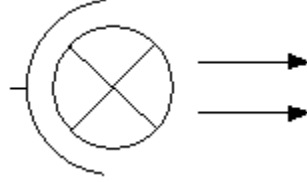
Floresan Lamba Armatürü



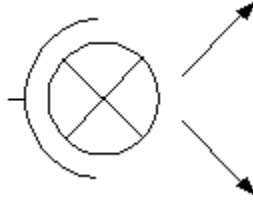
Projektör



Dar huzmeli projektör



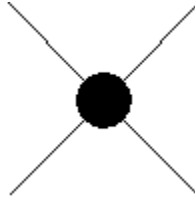
Geniş Akışlı Projektör



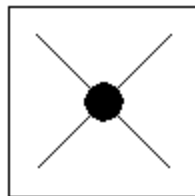
Deşarj Lambası Yardımcı Aksesuarları



Acil aydınlatma armatürü, özel bir kaynaktan güç kaynağı



Kendi güç kaynağına sahip acil aydınlatma armatürü





## "Polonya Elektrik Standardı PNE" sembol kütüphaneleri: Kontaklar

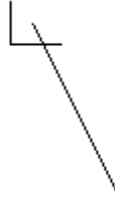
Temas YOK



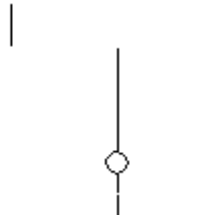
N/C kontağı



Geçiş kontağı



Hareketli kontağın nötr konumu ile seçici değiştirme kontağı

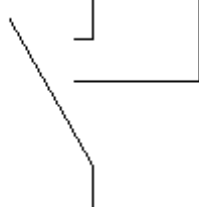


Kesintisiz geçiş kontağı

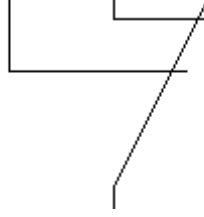


Çift NO kontak





Çift N/C kontağı



Sürücü uyarıldığında hemen çalışan delikten temas YOK



Sürücünün uyarılması kaldırıldıktan hemen sonra çalışan delikten temas YOK



Sürücü uyarıldığında veya sürücü heyecanlandığında hemen çalışan delikten temas YOK



Bu ünitadaki diğer kontaklardan önce temas YOK



Bu ünitenin diğer kontaklarıyla ilgili olarak gecikmeli çalışan kontak YOK



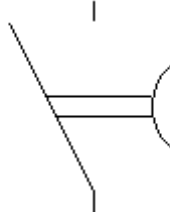
N/C kontağı, bu ünitenin diğer kontaklarına göre gecikmeli çalışıyor



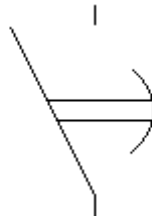
Bu üniteye diğer kontaklardan önce N/C kontağı



Kapanma gecikmesi ile temas YOK



Açılma gecikmesi ile temas YOK



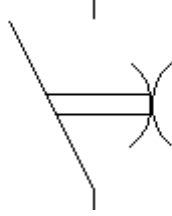
Açılma gecikmesi ile kapalı kontak



Normalde esp ile kapalı kontak. Kapanışta



Açma ve kapamada gecikmeli temas YOK



Geri dönüş kuvveti ile temas YOK



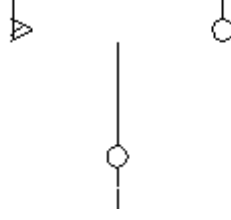
Geri dönüş kuvveti olmadan temas YOK



Geri dönüş kuvveti ile N/C teması

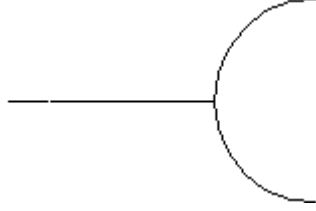


Sol konumdan geri dönüş kuvveti ve sağ hareketli temas konumundan geri dönüş kuvveti olmayan seçici değiştirme kontağı

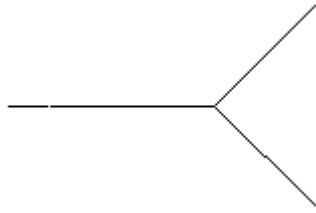


## "Polonya Elektrik Standardı PNE" sembol kütüphaneleri: Konnektörler

Yuva



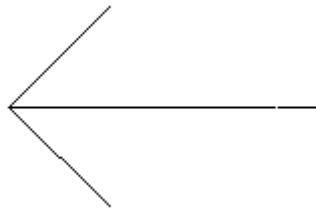
Soket diređi



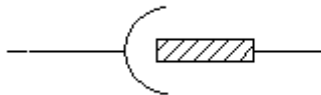
Fiş fiş



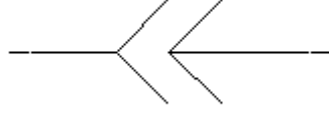
Fiş diređi



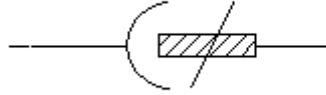
Fiş ve Soket



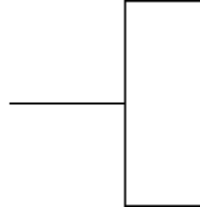
Ekleme



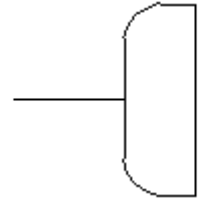
Fiş ve soket çok pimli konektör



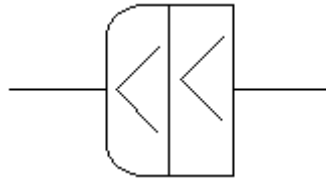
Konektör montajı: çok pimli konektör - sabit parça



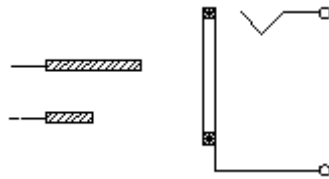
Konnektör tertibatı, çok pimli konnektör - hareketli parça



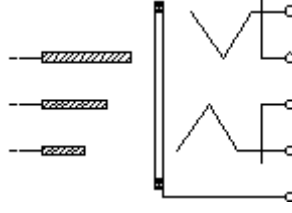
Konektör düzeneği: çok pimli bağlantılı konektör



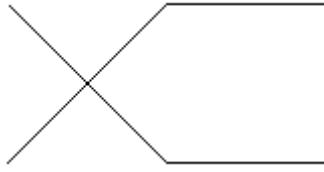
İki kutuplu telefon fişi ve soketi



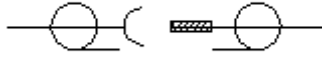
### Üç kutuplu telefon fişi ve soketi



### Telefon jakının bağlantısını kesme veya ayırma



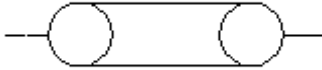
### Koaksiyel fiş ve soket



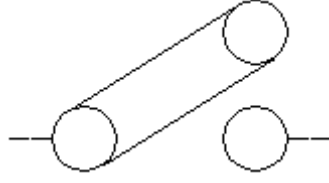
### Basınç kaplini



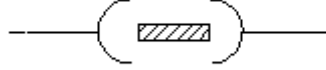
### Kapalı durumda ayırıcı



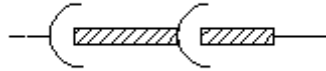
### Açık durumda ayırıcı



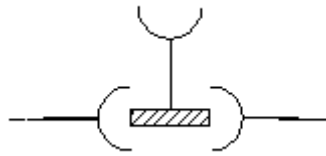
Çift kesmeli soket konektörü



Fişten prize



Soketli fişten fişe



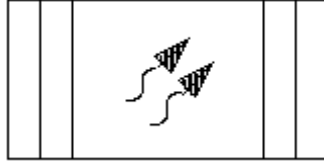


## Sembol kütüphaneleri "Polonya Elektrik Standardı PNE": Isı kaynakları

Isı kaynağı



Radyoizotop ısı kaynağı



Yakıt ısı kaynağı

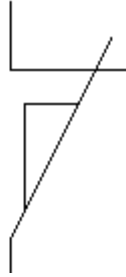


## "Polonya Elektrik Standardı PNE" sembol kütüphaneleri: Bağlantı elemanları

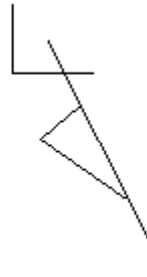
Limit anahtarı YOK



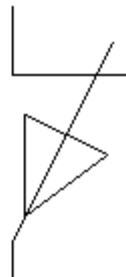
Dönüş ucu limit anahtarı



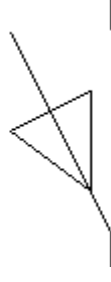
Geçiş limit anahtarı



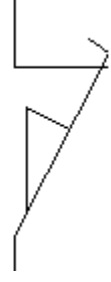
Dönüş ucu limit anahtarı



Limit anahtarı YOK



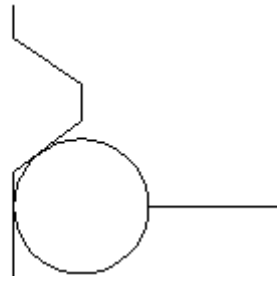
Gecikme ve dönüş uç anahtarı



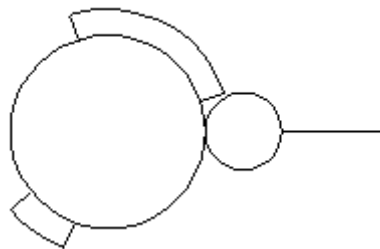
Gecikmeli limit anahtarı YOK



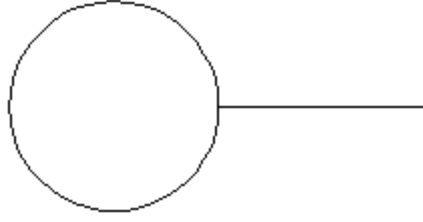
Lineer kam ve makara tahriki



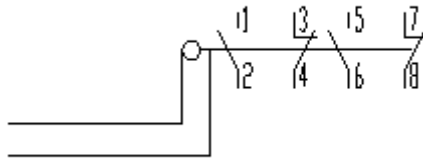
Makaralı eksantrik tahrik



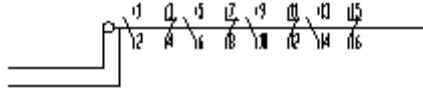
Makaralı tahrik



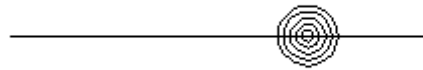
Limit anahtarı



Limit anahtarı



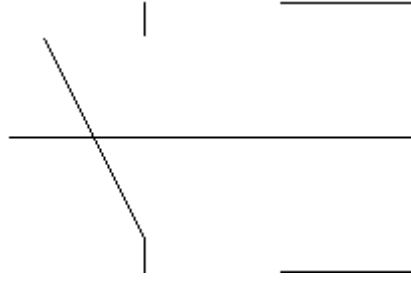
Pozisyon Göstergesi



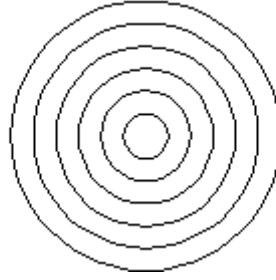
Ana Bağlayıcı

UZNACZENIE	
NR STYKU	ADRES

Temas YOK

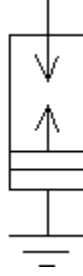


Bağlantı Elemanı Konum İşaretleyici

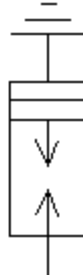


## "Orta OG Gerilimi" Sembol Kütüphaneleri: Yapısal Diyagramlar - Aşırı Gerilim Koruması

Valf paratoner



Valf paratoner



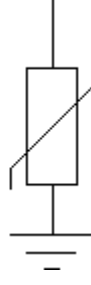
Voltaj Göstergesi



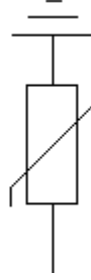
Voltaj Göstergesi



Varistör



Varistör



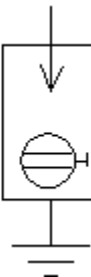
Kıvılcım boşluğu



Kıvılcım boşluğu

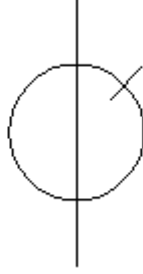


Göstergeli paratoner



## "Orta gerilim OG" sembol kitaplıkları: Yapısal diyagramlar - transformatörler

Akım Trafosu



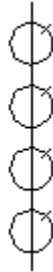
Çift çekirdekli akım trafosu



Üç çekirdekli akım trafosu

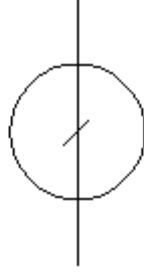


Dört çekirdekli akım trafosu



Akım Trafosu

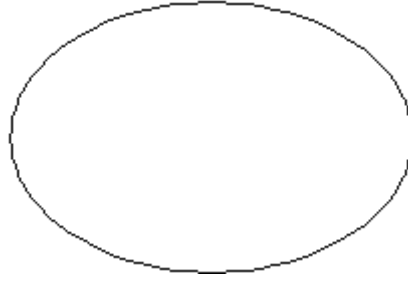




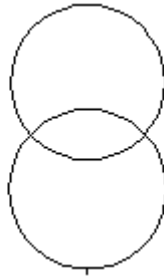
Gerilim Trafosu



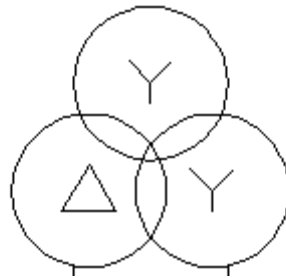
Ferranti Trafo - 1 kablo



Gerilim Trafosu



Gerilim Trafosu



## "Orta OG Gerilimi" Sembol Kütüphaneleri: Yapısal Diyagramlar - Kablolar

Kablo - 1



Kablo - 2



Kablo - 3



Kablo - 4



Kablo - 1



Kablo - 2



Kablo - 3



Kablo - 4



## "Orta gerilim OG" sembol kitaplıkları: Yapısal diyagramlar - bağlantı elemanlarının korunması

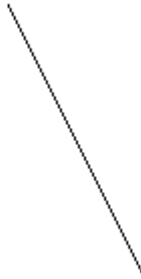
Şalter



Izolator



Ayırıcı



Yük ayırıcı



Otomatik yük ayırıcı



Izolator



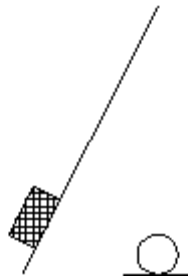
Ayırıcı



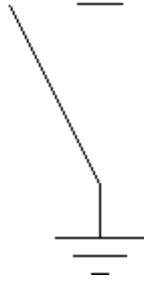
Yük ayırıcı



Otomatik yük ayırıcı



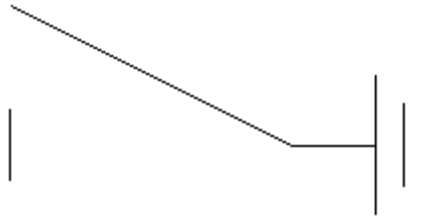
Topraklama anahtarı



Topraklama anahtarı



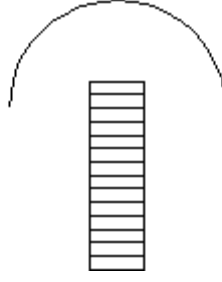
Topraklama anahtarı



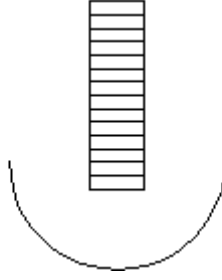
Birleşmek



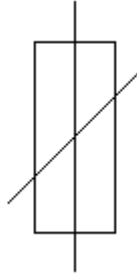
Ekleme



Ekleme

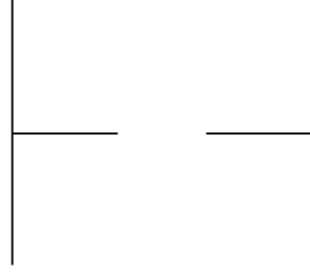


Birleşme

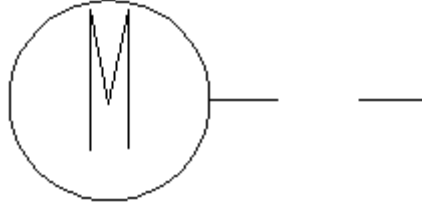


## "Orta gerilim OG" sembol kitaplıkları: Yapısal diyagramlar - sürücüler

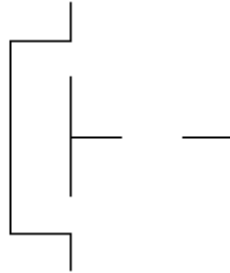
Manuel tahrik



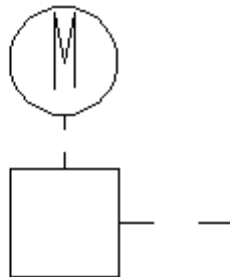
Motor sürücüsü



Sınırlı Erişim Sürücüsü



Depolama motoru sürücüsü

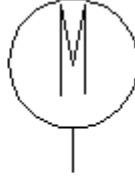


Manuel tahrik





Motor sürücüsü



Sınırlı Erişim Sürücüsü



Depolama motoru sürücüsü



## Sembol kitaplıkları "Orta OG gerilimi": Yapısal diyagramlar - çekmeceli elemanlar

Çekilebilir anahtar bloğu



Çekilebilir anahtar bloğu



Kesici Blok



Kesici Blok



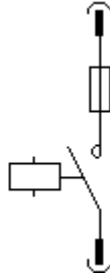
Blok Sabit Soket



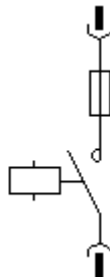
Kesici



Güç sigortalı kontaktör bloğu



Güç sigortalı kontaktör bloğu



Güç sigorta bloğu



Güç sigorta bloğu



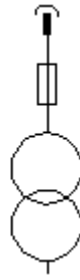
Güç sigorta bloğu



Güç sigorta bloğu



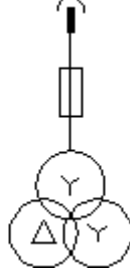
Ölçüm bloğu



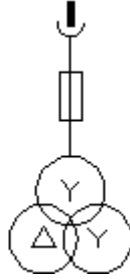
Ölçüm bloğu



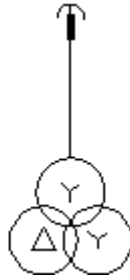
Ölçüm bloğu



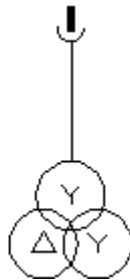
Ölçüm bloğu



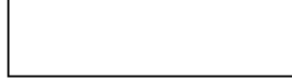
Ölçüm bloğu



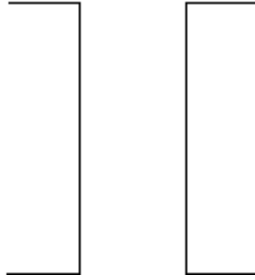
Ölçüm bloğu



Menfez

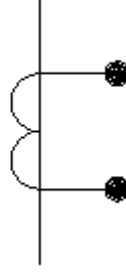


Menfez

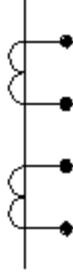


## "Orta OG Gerilimi" sembol kütüphaneleri: Transformatörler

1 - ana transformatör



2 çekirdekli ana transformatör



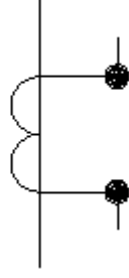
Transformer 3 - çekirdek ustası



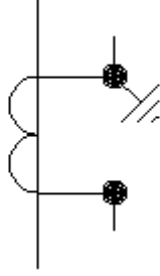
4 çekirdekli ana transformatör



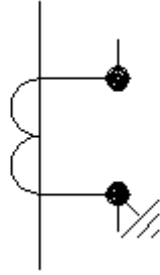
Transformatör 1 - çekirdek bağımlı



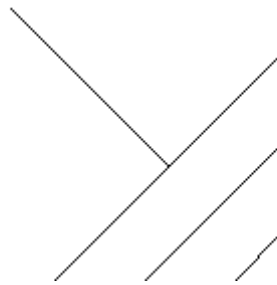
Transformatör 1 - çekirdek bağımlı



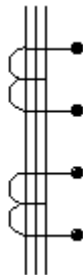
Transformatör 1 - çekirdek bağımlı



Zemin



2 çekirdekli ana transformatör





### 3 çekirdekli bağımlı transformatör



Ana gerilim trafosu



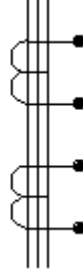
Bağımlı gerilim trafosu



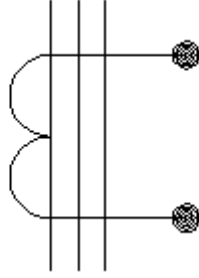
Transformer 3 - çekirdek ustası



Transformer 2 - çekirdek bağımlı

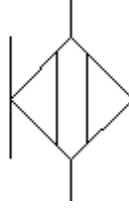


Ferranti köle transformatörü

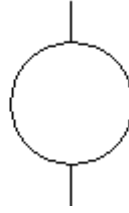


## "Güç Dağıtımı" Sembol Kütüphaneleri: Sensörler

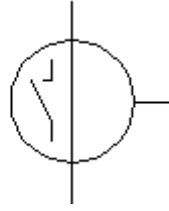
Dokunmatik Sensör



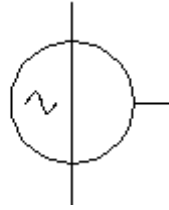
Sensör



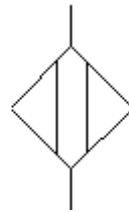
Kesintili Sensör



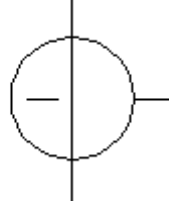
AC Sensör



Yakınlık sensörü

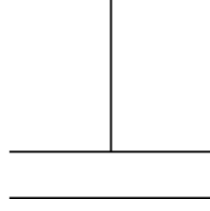


Sıfır Akım Sensörü

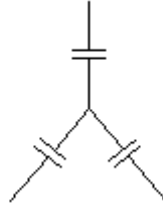


## "Güç Dağıtım" Sembol Kütüphaneleri: Soketler, Alıcılar

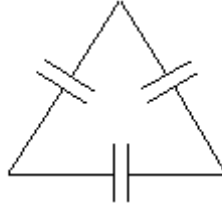
Kondansatör bankası



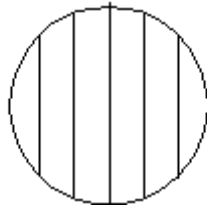
Kondansatör bankası - yıldız



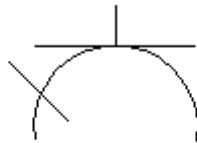
Kondansatör bankası - üçgen



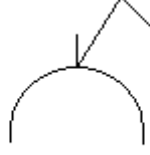
Kazan - su ısıtıcısı



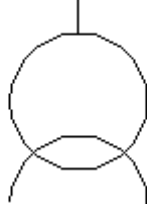
Koruyucu kontaklı priz çıkışı



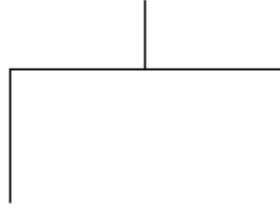
Soket fişi. tek kutuplu anahtarlı



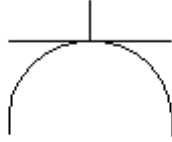
Transformatörlü priz



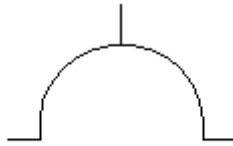
Soket fişi. Telekomünikasyon Tesisatı



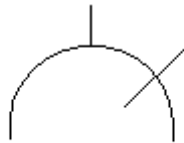
Koruyucu kontaklı priz çıkışı



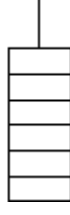
Kapaklı priz çıkışı



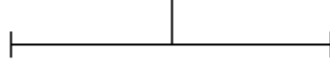
Soket fişi. Çoklu kurulumlar



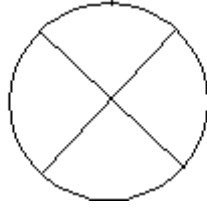
Isıtma elemanı



Floresan aydınlatma armatürü



Akkor aydınlatma armatürü



## "Güç Dağıtımı" Sembol Kütüphaneleri: Kablolar, Paratonerler, Devre Kesiciler

Üyenin bağlantısını kes



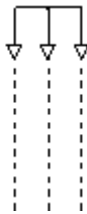
Kablo



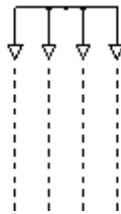
Kablo



Kablo

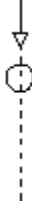


Kablo



Kablo

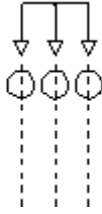




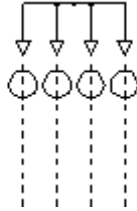
Kablo



Kablo



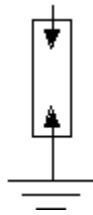
Kablo



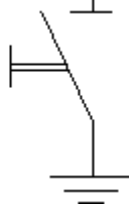
Topraklı lamba



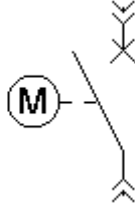
Topraklamalı paratoner



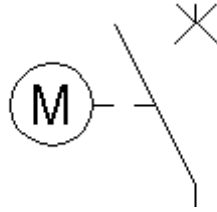
Topraklı bağlantı kesme anahtarı



Motorlu devre kesici

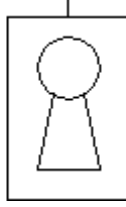


Motorlu devre kesici

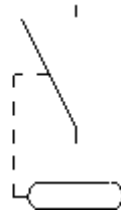


## "Güç Dağıtımı" sembol kütüphaneleri: Anahtarlar, ayırıcılar, ayırıcılar, devre kesiciler

Anahtar kontrollü ataşman deęiřtirici



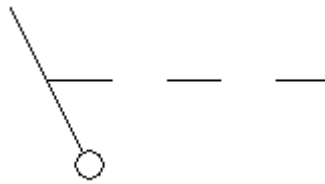
Kaçak akım anahtarı



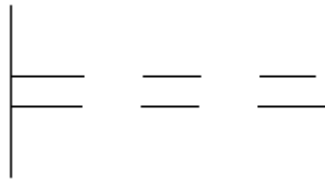
Tire



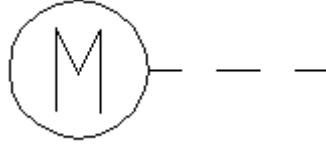
Kol tahriki



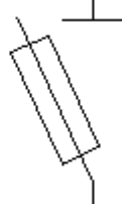
Manuel tahrik



Motor sürücüsü



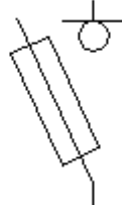
Sigorta bağlantı kesme anahtarı



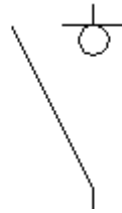
Izolatör



Sigorta anahtarı ayırıcı



Yük ayırıcı



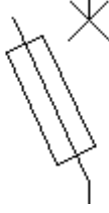
Kendinden açmalı yük ayırıcı



Şalter



Sigorta Kesici



Güç düğmesi



Kaçak akım devre kesici

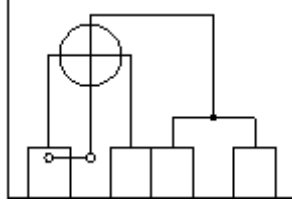


Kaçak akım devre kesici

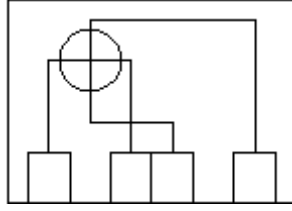


## "Güç Dağıtım" Sembol Kütüphaneleri: Sayaçlar

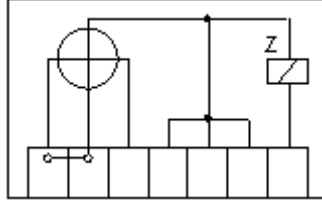
Tek tarifeli sayaç, doğrudan bağlantı



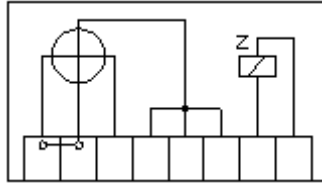
Tek tarife sayacı, ara bağlantı



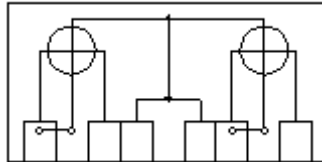
Çift tarifeli sayaç, doğrudan bağlantı



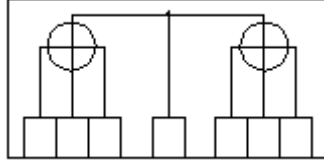
Çift tarifeli sayaç, doğrudan bağlantı



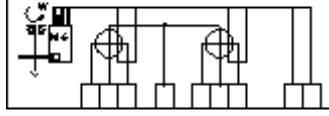
3 fazlı doğrudan bağlantı ölçer



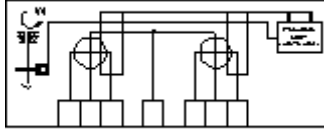
3 fazlı sayaç, ara bağlantı



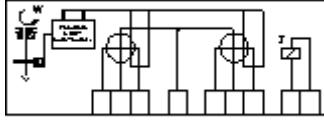
Nabız vericili aktif enerji ölçer



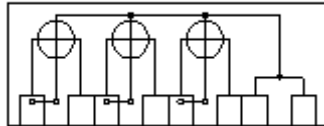
Maksimum Dolaylı Bağlantı Ölçer



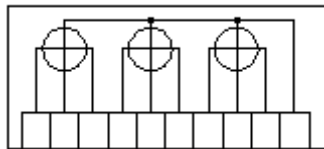
Maksimum Dolaylı Bağlantı Ölçer



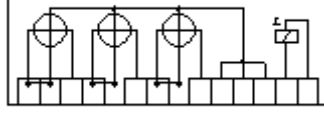
3 fazlı doğrudan bağlantı ölçer



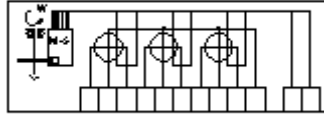
3 fazlı sayaç, ara bağlantı



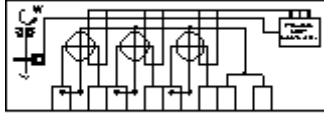
Çift tarifeli sayaç, doğrudan bağlantı



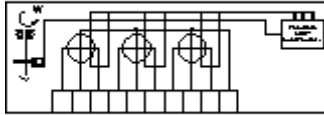
Nabız vericili aktif enerji ölçer



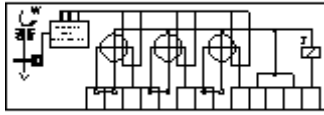
Sayaç maksimum doğrudan bağlantı



Maksimum Dolaylı Bağlantı Ölçer

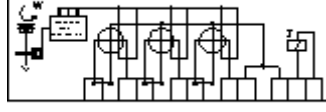


Sayaç maksimum doğrudan bağlantı

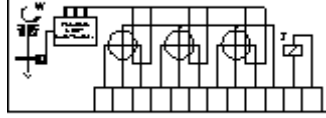


Sayaç maksimum doğrudan bağlantı



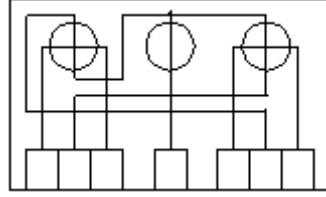


Maksimum Dolaylı Bağlantı Ölçer

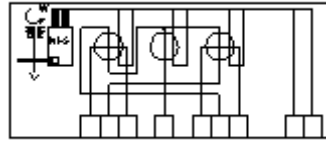


3 fazlı doğrudan bağlantı ölçer

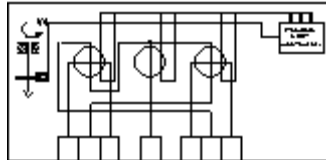
3 fazlı sayaç, ara bağlantı



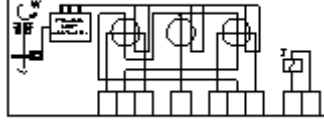
Nabız vericili reaktif enerji ölçer



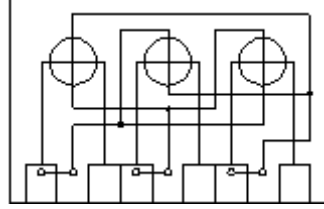
Maksimum Dolaylı Bağlantı Ölçer



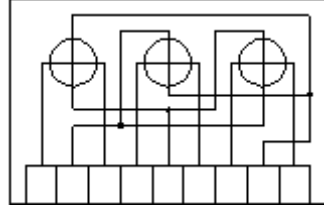
Maksimum Dolaylı Bağlantı Ölçer



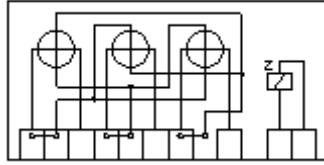
3 fazlı doğrudan bağlantı ölçer



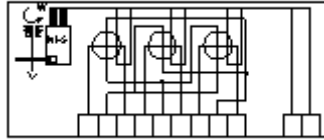
3 fazlı sayaç, ara bağlantı



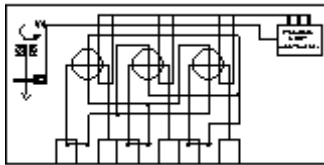
Çift tarifeli sayaç, doğrudan bağlantı



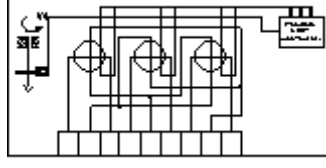
Nabız vericili reaktif enerji ölçer



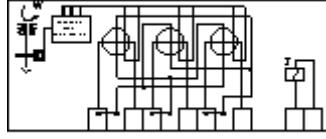
Sayaç maksimum doğrudan bağlantı



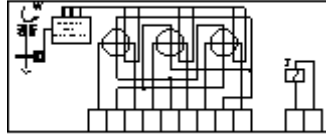
## Maksimum Dolaylı Bağlantı Ölçer



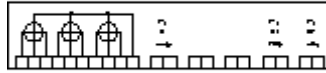
## Sayaç maksimum doğrudan bağlantı



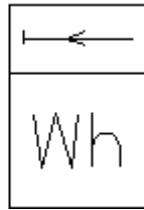
## Maksimum Dolaylı Bağlantı Ölçer



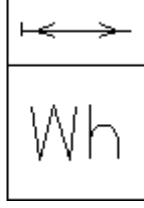
## EC5 Elektronik Sayaç



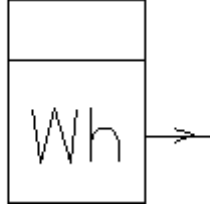
## Wh sayacı - bara akışı



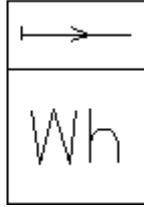
## Wh sayacı - her iki yönde akış



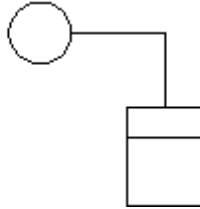
Vericili watt-saat ölçer



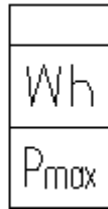
Wh sayacı - bara akışı



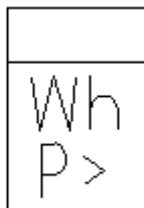
Transformatörlü sayaç



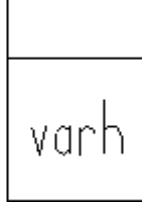
Kayıtlı Wh metre. Maksimum Güç Tüketimi



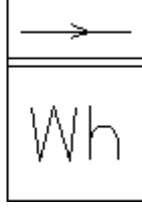
Watt-saat sayacı, tepe noktası



Varo-saat ölçer (reaktif enerji)



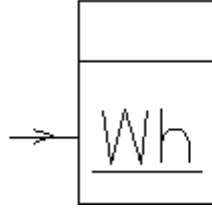
Watt-saat sayacı - 1 yönde akış



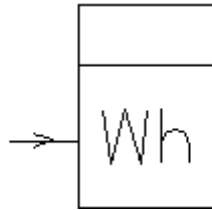
Maksimum güç tüketimi göstergeli Wh metre



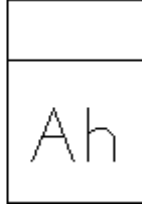
Tekrarlayan yazıcı ile uzaktan ölçüm



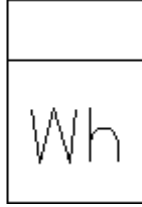
Tekrarlı Uzaktan Ölçüm Ölçer



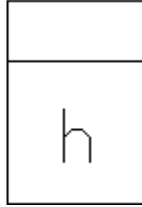
Amper-saat ölçer



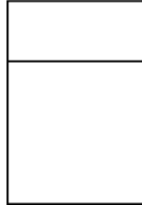
Watt-saat sayacı



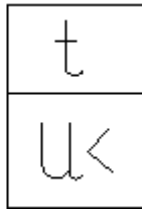
Saat ölçer



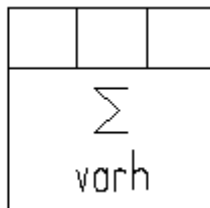
Pay



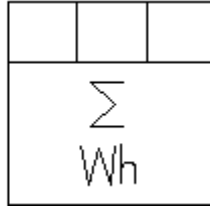
Düşük gerilim rölesi



Reaktif güç birleştirici

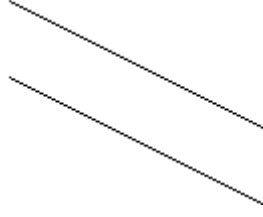


## Aktif Güç Birleřtirici

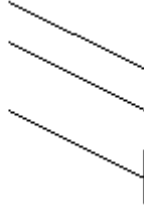


## "Güç Dağıtımı" Sembol Kütüphaneleri: Çizgiler

1 fazlı - 2 telli hat



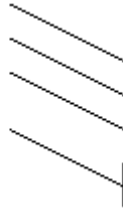
1 fazlı hat Koruyucu



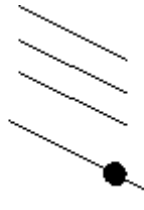
3 fazlı hat



3 fazlı hat Koruyucu



Satır 3-f. nötr ve koyu sarı. karşılıklı



Hat 3 Faz Koruyucu İletken

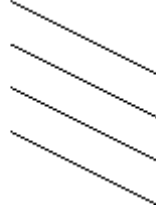




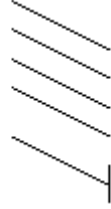
3 fazlı trans hattı Nötr ve Koruyucu



3 fazlı - 4 telli hat



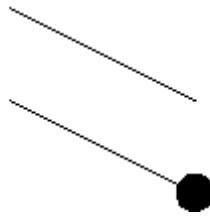
3 fazlı hat. 4 Rev. koruyucu iletken ile



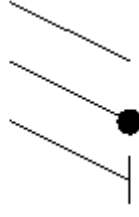
3 fazlı hat. Nötr telli 4 tel



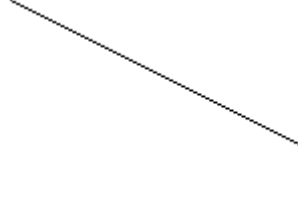
Faz İletkeni



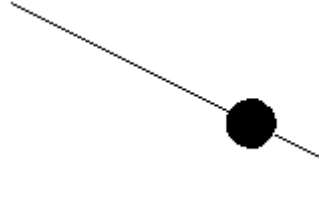
Nötr ve koruyucu iletkenli 1 fazlı hat



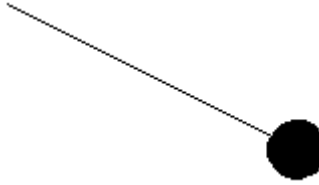
Koruyucu iletken



Ortak koruyucu ve nötr iletken



Nötr

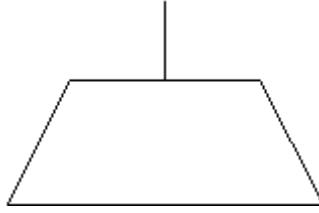


## "Güç Dağıtımı" Sembol Kütüphaneleri: Makineler

DC Alternatör



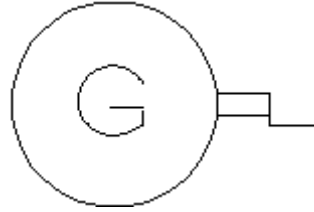
Fren



Makine - Motor veya Jeneratör



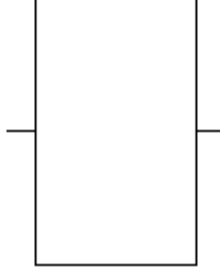
Manuel olarak çalıştırılan jeneratör (indüktör)



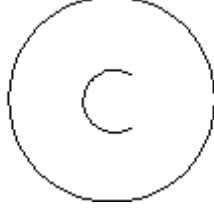
Senkron jeneratör



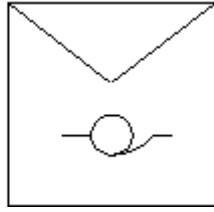
Jeneratör



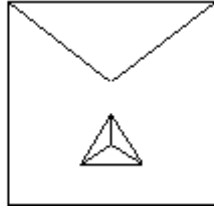
Tek delikli dönüştürücü



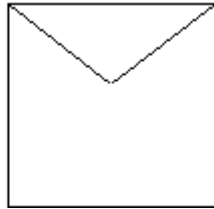
Otomatik transformatör marş motoru



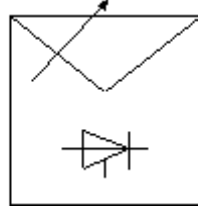
Yıldız-üçgen marş motoru



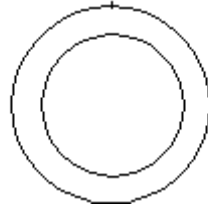
Motor yol verici



Tristör marş motoru



Selsyn Belediyesi



DC Motor



AC 1 Fazlı Motor



3 fazlı asenkron motor. Kafes



3 fazlı asenkron motor. Anülüs



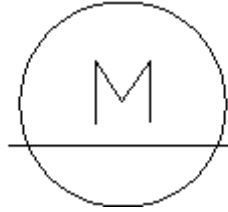
Motor



Step motor



Lineer Motor



## "Güç Dağıtım" Sembol Kütüphaneleri: Sayaçlar

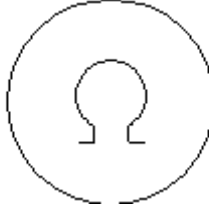
Ampermetre



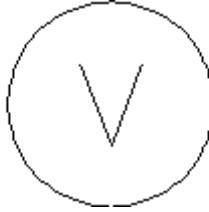
Frekans Ölçer



Ohm metre

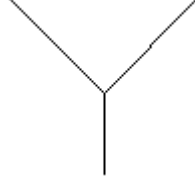


Voltmetre

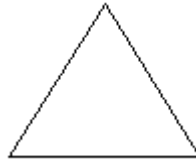


## "Güç Dağıtımı" Sembol Kütüphaneleri: Trafo Bağlantıları

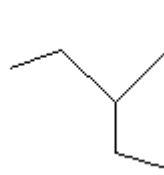
3 fazlı sargı. Yıldız



3 fazlı sargı. Üçgen



3 fazlı sargı. zikzak



Yıldızlar arası bağlantı



Yıldız-üçgen bağlantısı



Yıldız - zikzak bağlantı





Üçgen-yıldız bağlantısı



Delta - delta bağlantısı

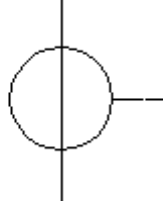


Üçgen - zikzak bağlantı

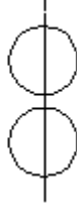


## "Güç Dağıtımı" Sembol Kütüphaneleri: Transformatörler

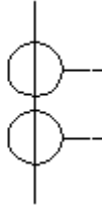
Akım Trafosu



Akım trafosu 1f - çift



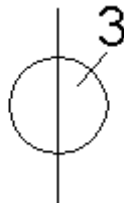
Akım Trafosu - Çift



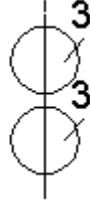
Akım trafosu 1f - üçlü



Akım trafosu 3f



Akım trafosu 3f - çift



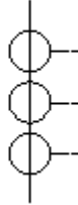
Akım Trafosu 3f - Üçlü



Akım trafosu 3f - drtl



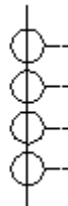
Akım Trafosu - çl



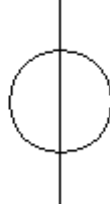
Akım trafosu 1f - drtl



Akım Trafosu - Drtl

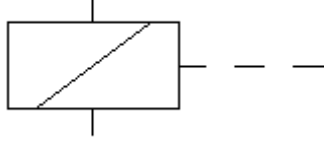


Akım trafosu 1f

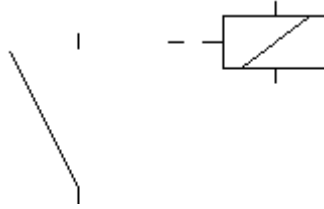


## "Güç Dağıtım" sembol kütüphaneleri: Kontaktörler, röleler

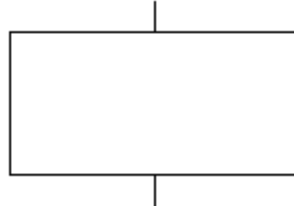
Bobin Montaj Elemanı - Sol



Bobin Montaj Elemanı - Sağ



Röle Bobini



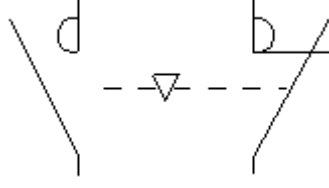
Normalde kapalı kontaktör



Kendinden açmalı kontaktör



Kontaktör



N/C kontađı



Temas YOK

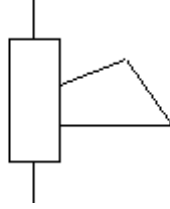


Kontaktör ana kontakları

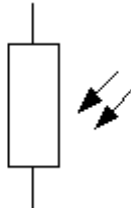


## "Güç Dağıtımı" Sembol Kütüphaneleri: Anahtarlar, Sinyalizasyon

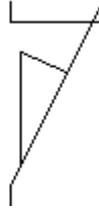
Kayın



Fotodirenç



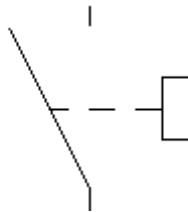
Dönüş ve dönüş limit anahtarı



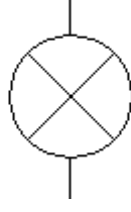
Limit anahtarı YOK



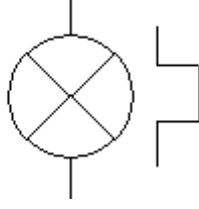
Geri dönüş kuvveti ile el çekme bağlantısı



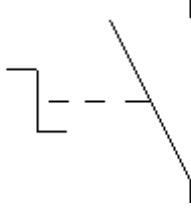
Lamba



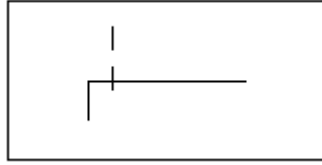
Yanıp sönen lamba



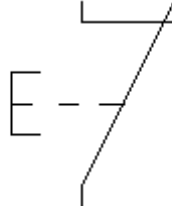
Bükümlü manuel ataşman değiştirici (geri bildirim yok)



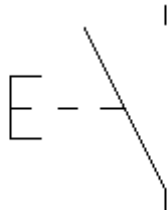
Tek kutuplu anahtar



Basmalı düğmeli çevirme ve döndürme anahtarı



Basmalı düğme NO anahtarı





Direnç

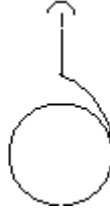


## "Güç Dağıtımı" Sembol Kütüphaneleri: Transformatörler

Otomatik transformatör



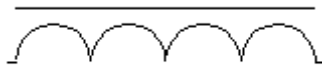
Otomatik transformatör



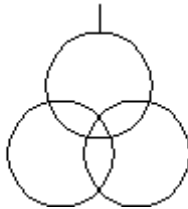
Çekirdekli bobin



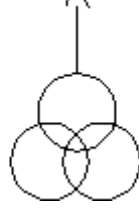
Çekirdekli bobin



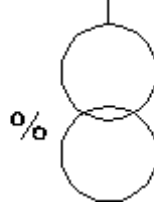
Üç sargılı transformatör



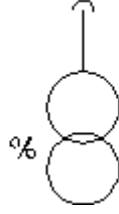
Üç sargılı transformatör



OG/YG güç trafosu



OG/YG güç trafosu



AG Trafo

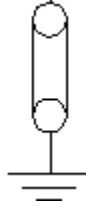


## "Güç Dağıtımı" Sembol Kütüphaneleri: Sıfır Noktası Topraklamaları, Koruma

Kıvılcım boşluğu



Topraklamalı kapalı durum ayırıcı



Açık durum ayırıcı



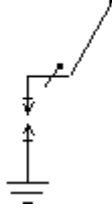
Kapalı durumda ayırıcı



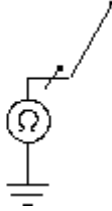
Paratoner



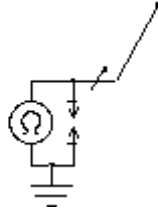
Trafo Sıfır Noktası Topraklaması



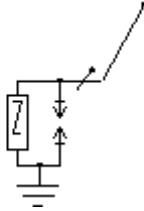
Trafo Sıfır Noktası Topraklaması



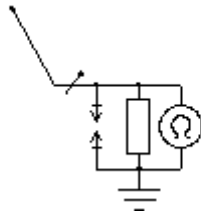
Trafo Sıfır Noktası Topraklaması



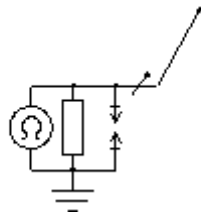
Trafo Sıfır Noktası Topraklaması



Trafo Sıfır Noktası Topraklaması

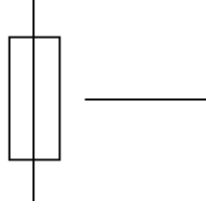


Trafo Sıfır Noktası Topraklaması

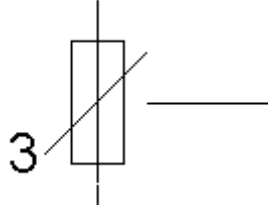


## "Güç Dağıtım" Sembol Kütüphaneleri: Güvenlik

Birleşmek



Sigorta - 3 faz.



Birleşmek



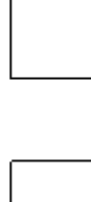
Elektromanyetik etkileşim



Termal ve elektromanyetik etkiler

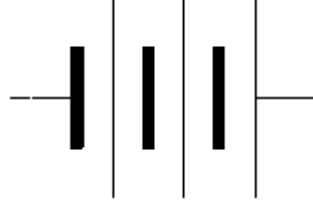


Termal etki

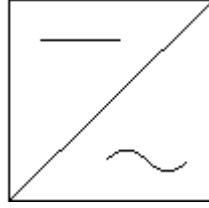


## "Güç Dağıtımı" Sembol Kütüphaneleri: Güç Kaynağı

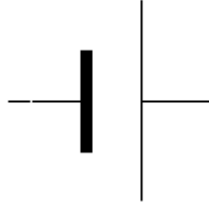
Pil bankası



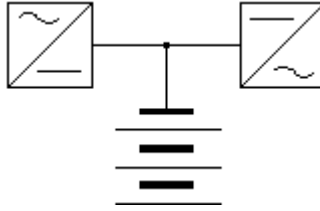
Inverter



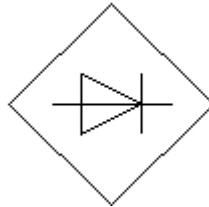
Galvanik hücre



Doğrultucu, invertör, akü bankası

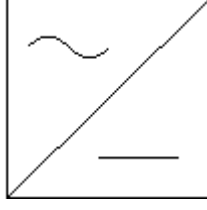


Tam dalga doğrultucu (köprü)

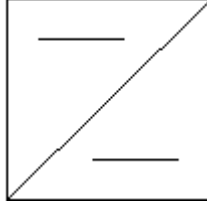


Doğrultucu

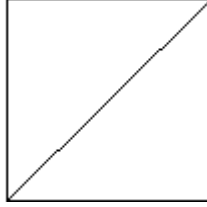




DC Dönüştürücü

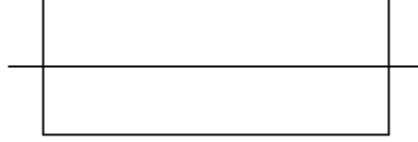


Dönüştürücü



## "Demiryolu Otomasyonu" sembol kütüphaneleri: Sigortalar, dirençler, sayaçlar

Birleşmek



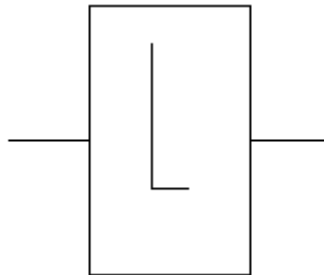
Birleşmek



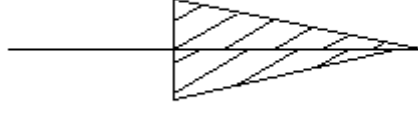
Birleşmek



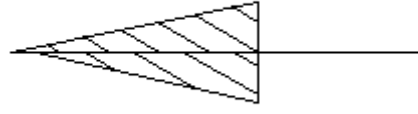
Pay



Besleme gerilimi



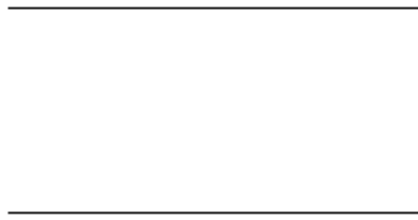
Besleme gerilimi



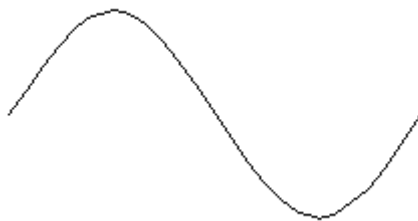
Potansiyometre



Dođru akım



AC

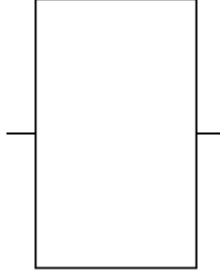


## Direnç

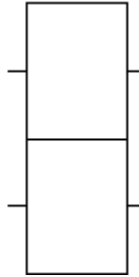


## "Demiryolu Otomasyonu" Sembol Kütüphaneleri: Röle Bobinleri

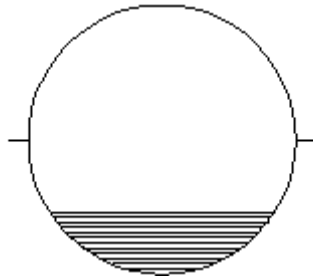
Bobin



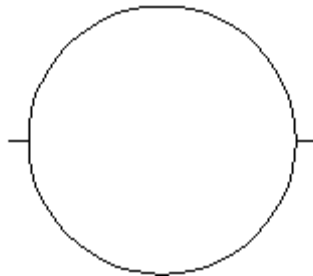
Bobin



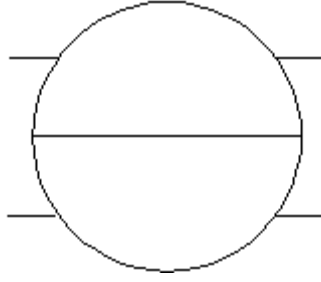
Bobin



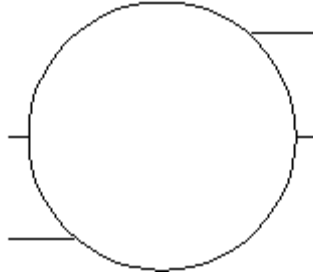
Bobin



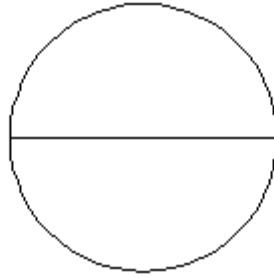
Bobin



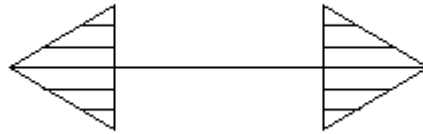
12V bobin



Bobin

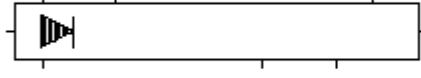


Darbe rölesi sembolü

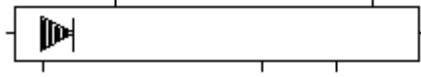


## "Demiryolu Otomasyonu" Sembol Kütüphaneleri: ERL Setleri

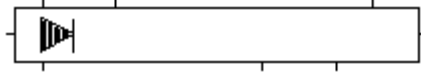
ERL\_1 seti (ana)



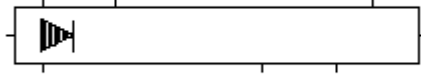
ERL\_11 seti (ana)



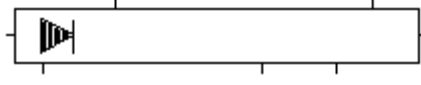
ERL\_21 (ana) kiti



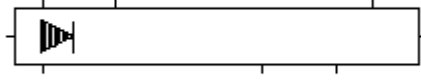
ERL\_1 seti (bağımlı)



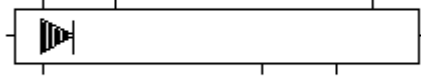
ERL\_11 (bağımlı) seti



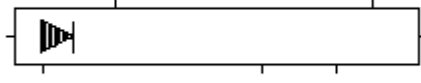
ERL\_21 (bağımlı) seti



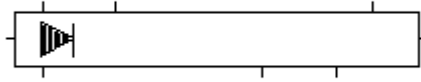
ERL Kiti (Çoklu)



ERL (bağımlı) kiti



ERL Kiti (Çoklu)





## "Demiryolu Otomasyonu" Sembol Kütüphaneleri: Kablolar

Şematik kablo iletkeni

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Şematik kablo iletkeni

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Sol Kablo

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Kablo Sağ

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Kablo iletkeni - üretilen

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Kablo çekirdeği, bekleme - oluşturulan

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Kablo iletkeni, toprakla üretilmiş

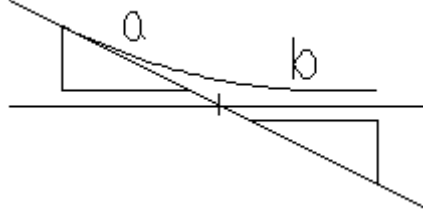
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### Kablo Tanımı

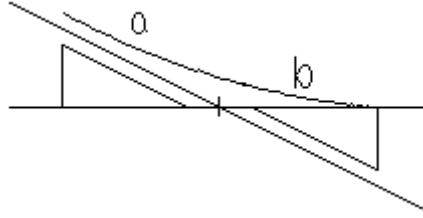
NR KABLA		
TYP/ALOSC ZYK		
KLÖSSL ZYK WOLNUNG		
PREZEWAGZ MWL		
WŁÓŚCIE	ZYKA	WYŚCIE

## "Demiryolu Otomasyonu" Sembol Kütüphaneleri: Çapraz Anahtarlar

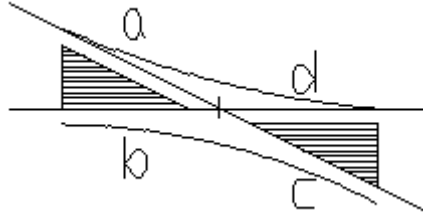
Tek geçit hizmete girmede



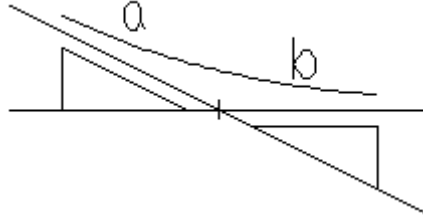
Tek geçit hizmete girmede



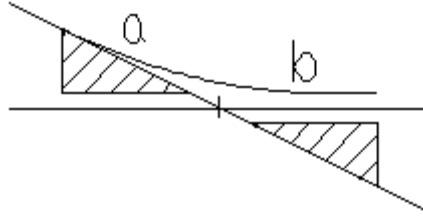
Tek geçit hizmete girmede



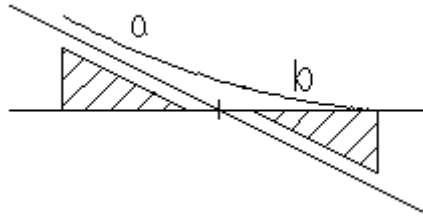
Tek geçit hizmete girmede



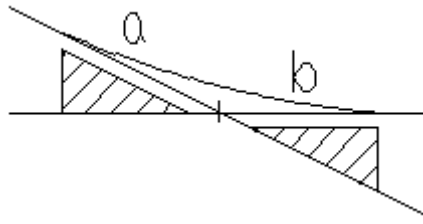
Bağımlı olmayan tek geçiş 1



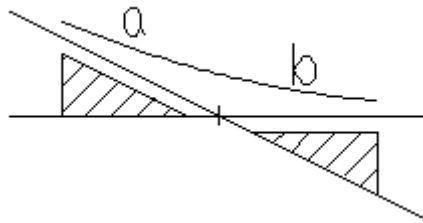
Bağımlı olmayan tek geçiş 2



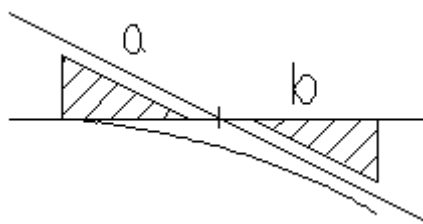
Bağımlı olmayan tek geçiş 3



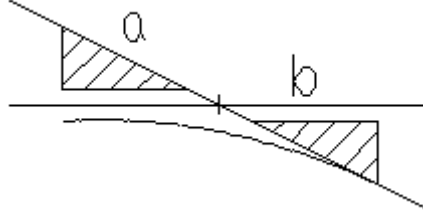
Bağımlı olmayan tek geçiş 4



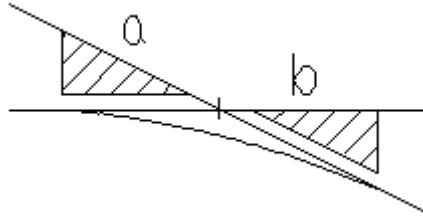
Bağımlı olmayan tek geçiş 5



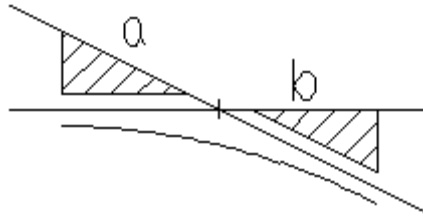
Bağımlı olmayan tek geçiş 6



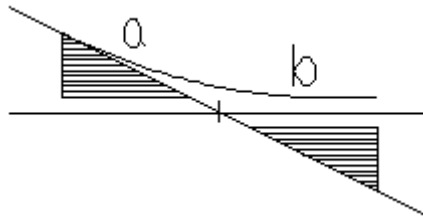
Bağımlı olmayan tek geçit 7



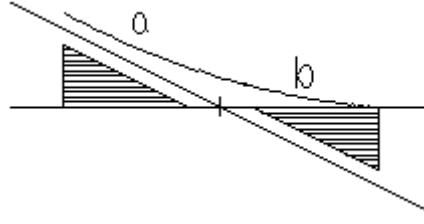
Bağımlı olmayan tek geçiş 8



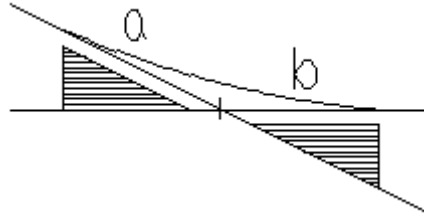
Tek bağımlı geçiş 1



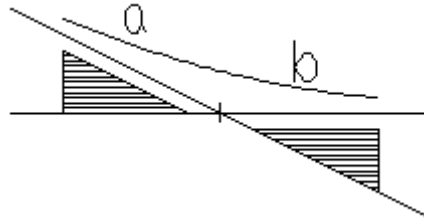
Tek kavşak, bağımlı 2



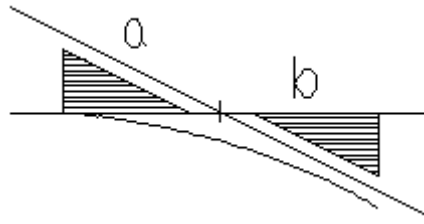
Çapraz katılım tek bağımlı 3



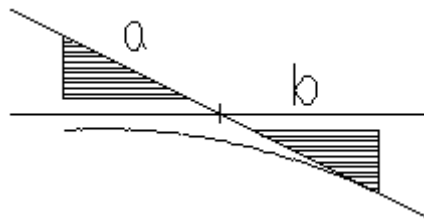
Çapraz katılım tek bağımlı 4



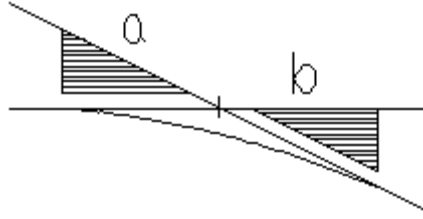
Tek bağımlı geçiş 5



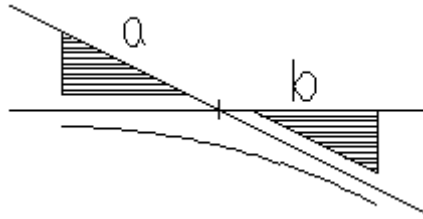
Çapraz katılım tek bağımlı 6



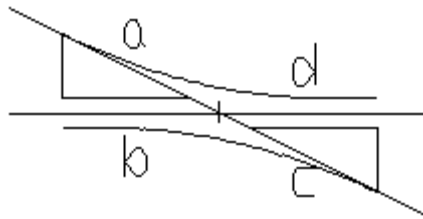
Çapraz katılım tek bağımlı 7



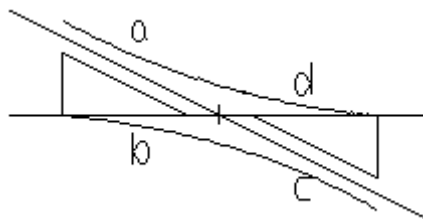
Tek kavşak, bağımlı 8



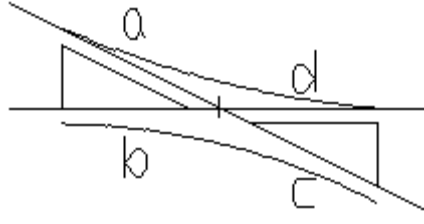
Çift crossover hizmete girmede



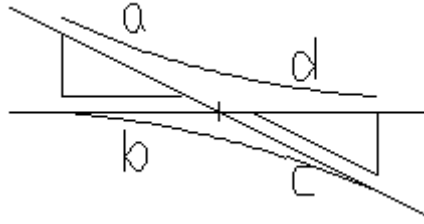
Çift crossover hizmete girmede



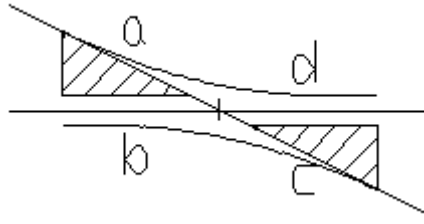
Çift crossover hizmete girmede



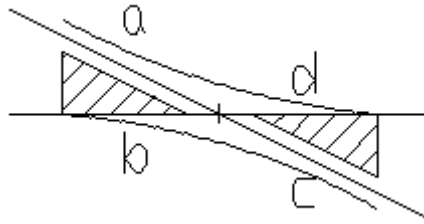
Çift crossover hizmete girmedir



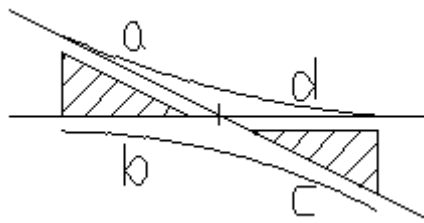
Çift geçiř bağımlı deęil



Çift geçiř bağımlı deęil

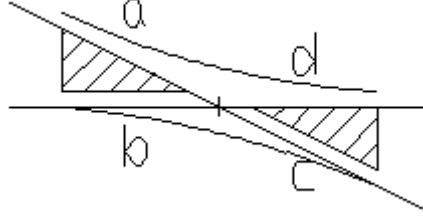


Çift geçiř bağımlı deęil

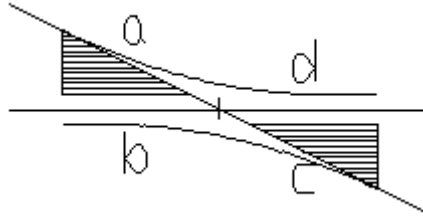




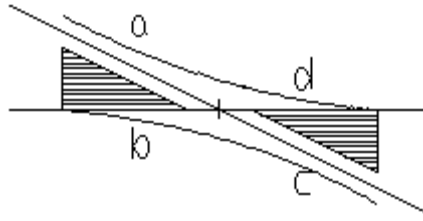
Çift geçiş bağımlı değil



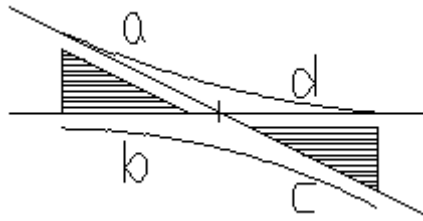
Çapraz katılım çift bağımlı 1



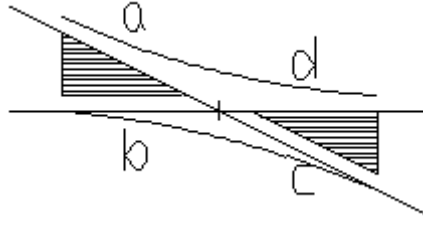
Çapraz geçiş çift bağımlı 2



Çapraz geçiş çift bağımlı 3

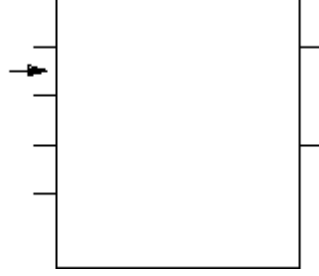


Çapraz geçiş çift bağımlı 4

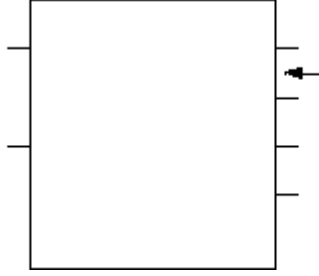


## "Demiryolu Otomasyonu" sembol kütüphaneleri: Vericiler/alıcılar

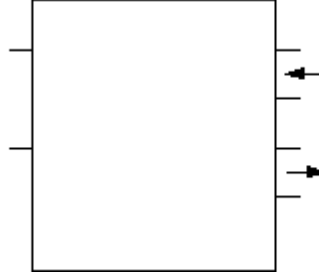
EOT Verici/Alıcı



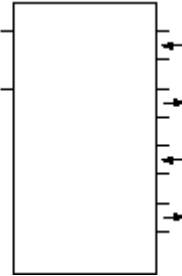
EOT Verici/Alıcı



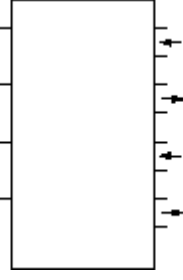
EOT Verici/Alıcı



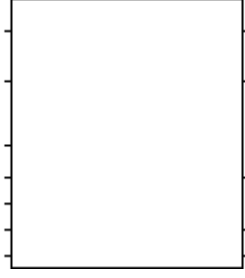
EOT Verici/Alıcı



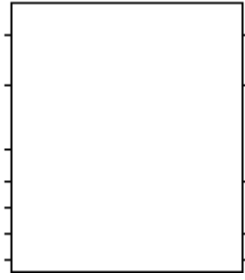
EOT Verici/Alıcı



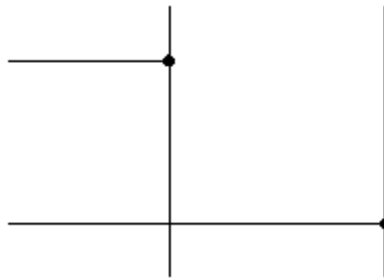
EOT Verici/Alıcı



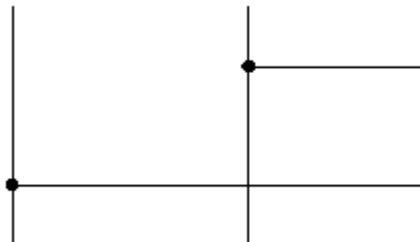
EOT Verici/Alıcı



Parça/Sola Dönüş



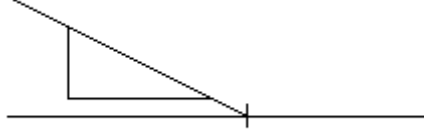
Takip Et/Sağa Dön



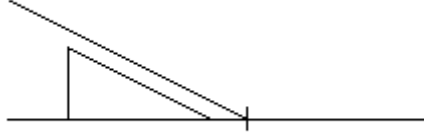


## "Demiryolu Otomasyonu" sembol kütüphaneleri: Tek şalterler

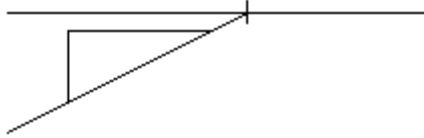
Tek makas hizmete girmedi 1



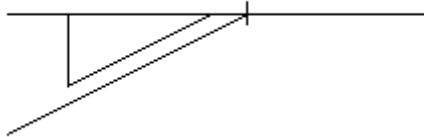
Tek makas hizmete girmedi 2



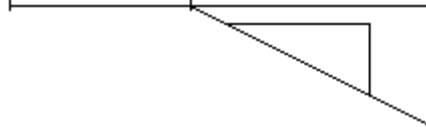
Tek makas hizmete girmedi 3



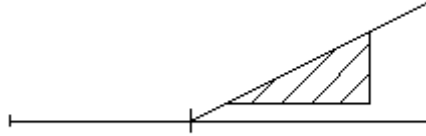
Tek makas hizmete girmedi 4



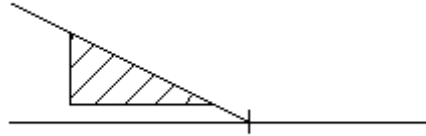
Tek makas sağa doğru sürüş düz yön sağa



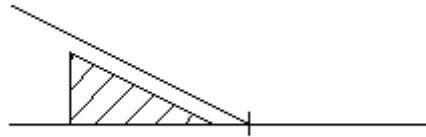
Tek katılıma bağlı değil



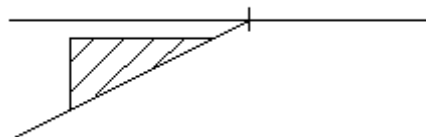
Tek katılıma bağımlı değil 1



Tek katılıma bağımlı değil 2

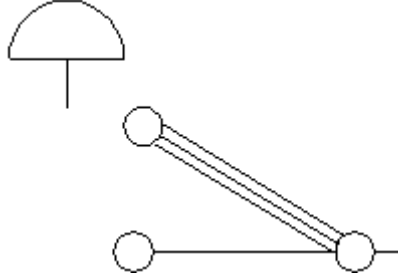


Tek katılıma bağlı değil 3

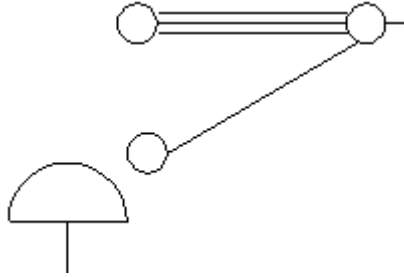


## "Demiryolu Otomasyonu" sembol kütüphaneleri: Düğmeler

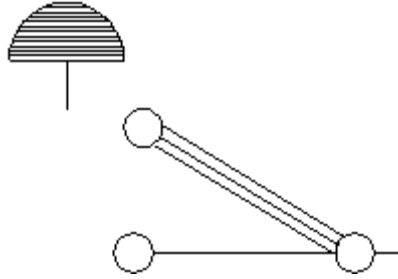
Nötr düğmesi



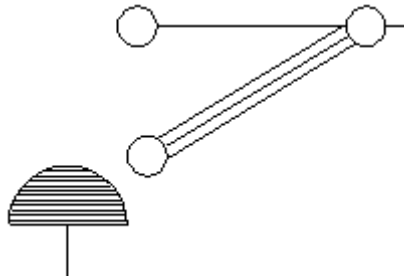
Nötr düğmesi



Nötr düğmesi

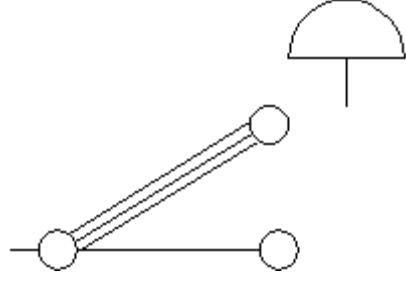


Nötr düğmesi

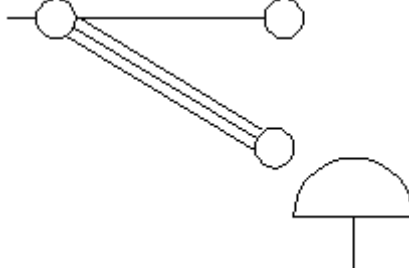


Nötr düğmesi

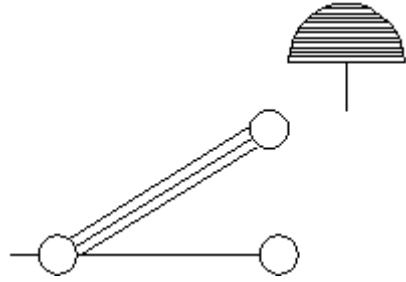




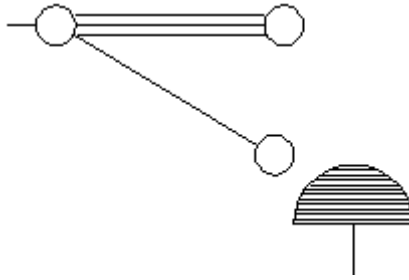
Nötr düğmesi



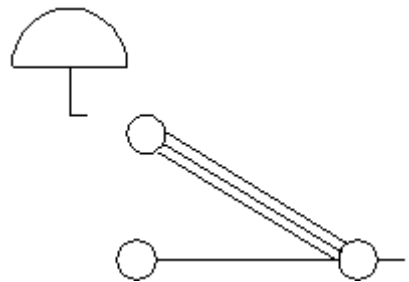
Nötr düğmesi



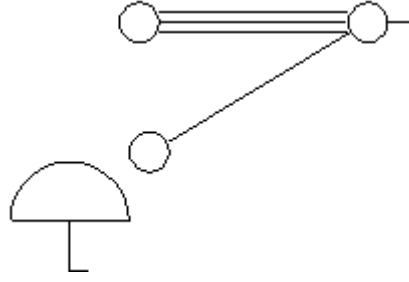
Nötr düğmesi



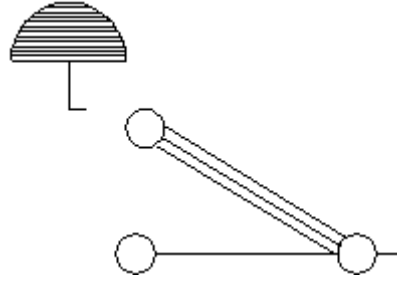
Kararlı düğme



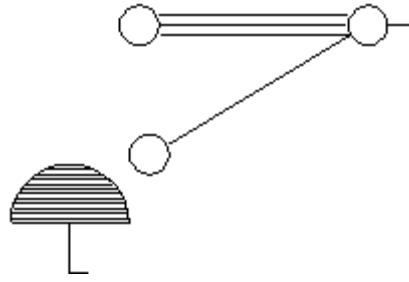
Kararlı düğme



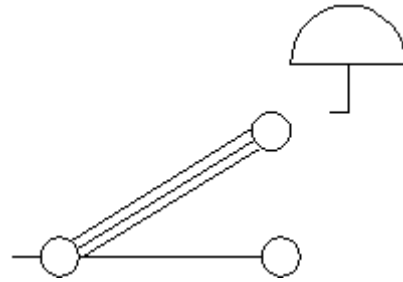
Kararlı düğme



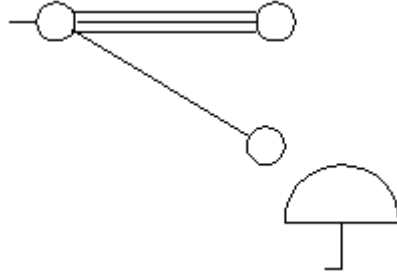
Kararlı düğme



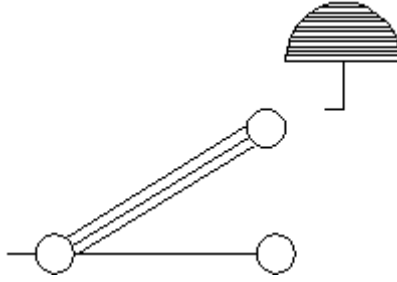
Kararlı düğme



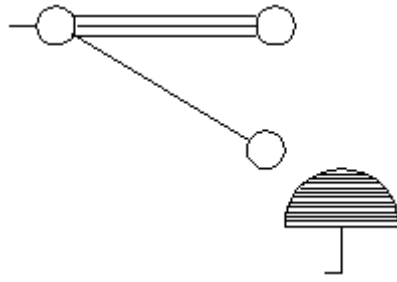
Kararlı düğme



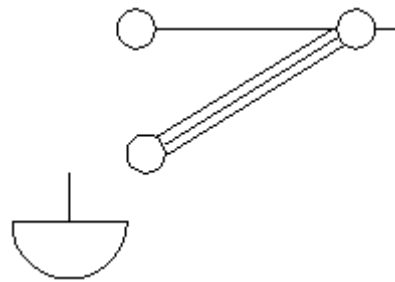
Kararlı düğme



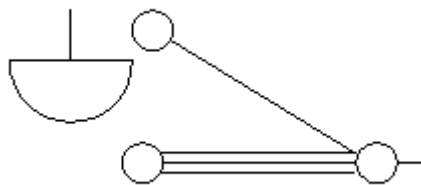
Kararlı düğme



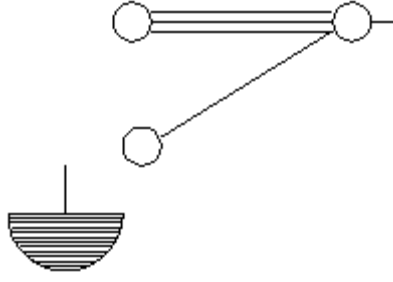
Nötr düğmesi



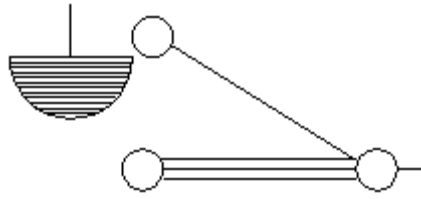
Nötr düğmesi



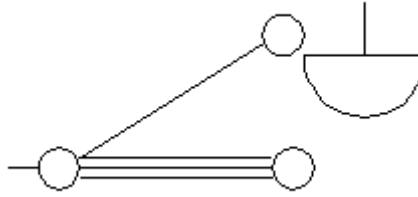
Nötr düğmesi



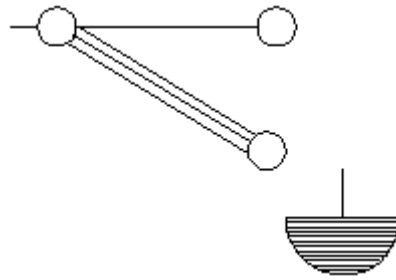
Nötr düğmesi



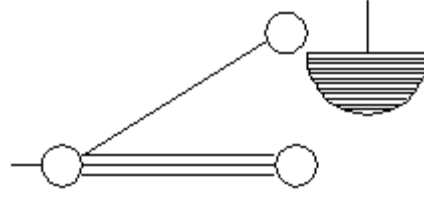
Nötr düğmesi



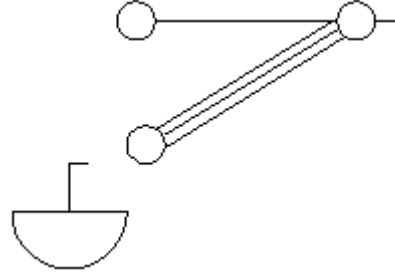
Nötr düğmesi



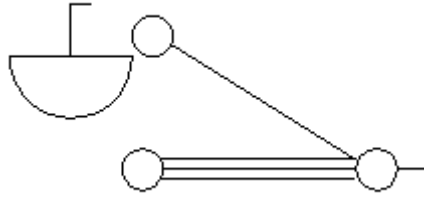
Nötr düğmesi



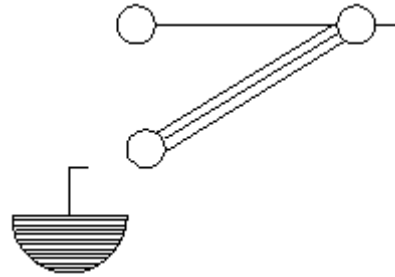
Kararlı düğme



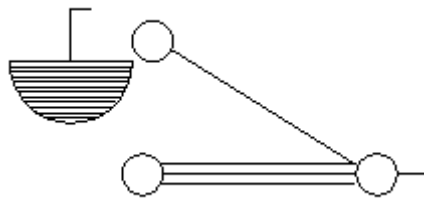
Kararlı düğme



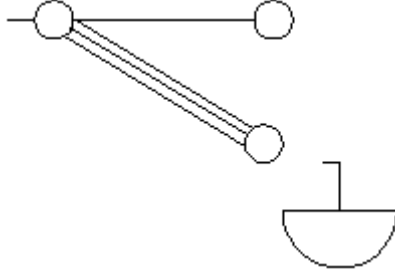
Kararlı düğme



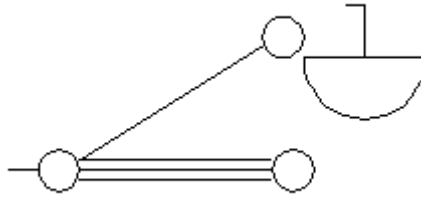
Kararlı düğme



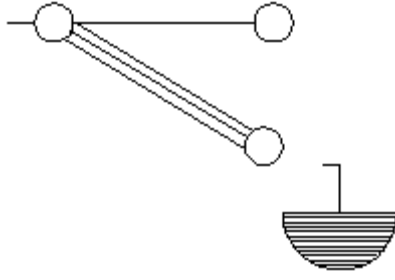
Kararlı düğme



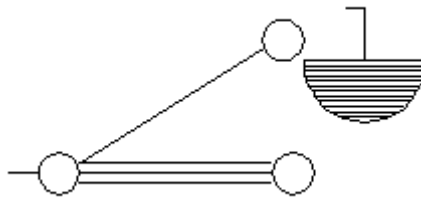
Kararlı düğme



Kararlı düğme



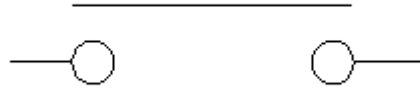
Kararlı düğme



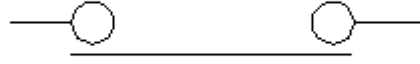
Basmalı düğme açık



Basmalı düğme açık

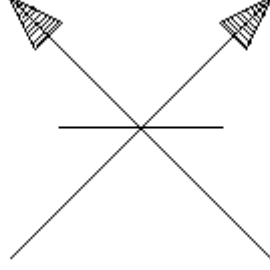


Basmalı düğme kısa devresi

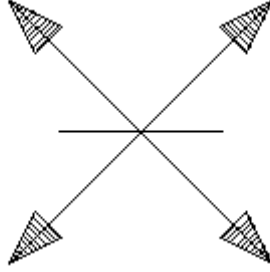


## "Demiryolu Otomasyonu" sembol kütüphaneleri: Trafik ışıkları

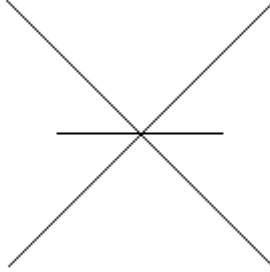
Ampul



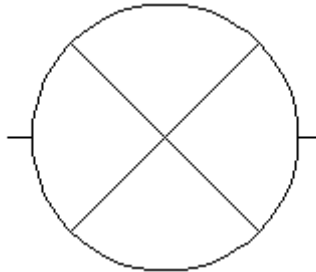
Ampul



Ampul

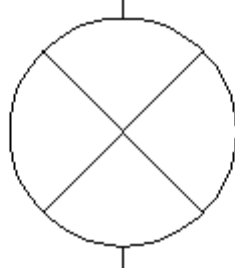


Panel Ampulü

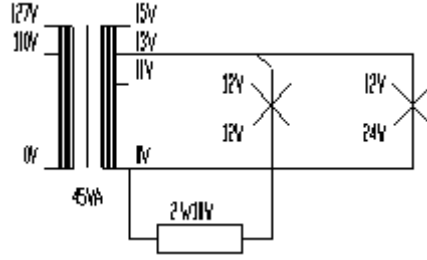


Panel Ampulü

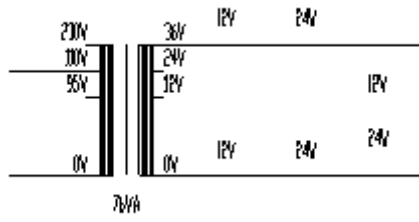




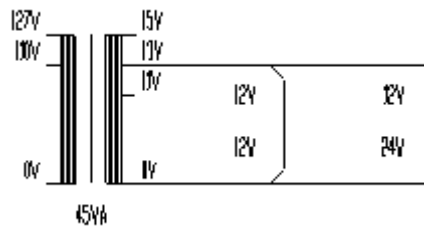
Kırmızı ve Mavi Işık Odası



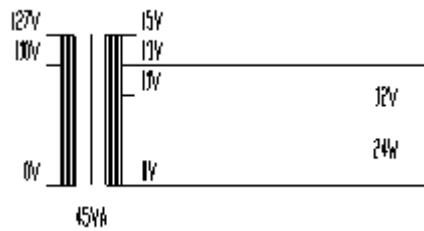
Yeşil kuşak odası



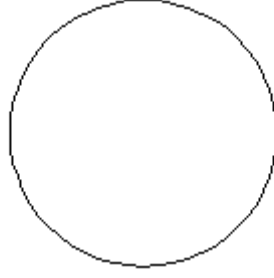
Gösterge odası W24



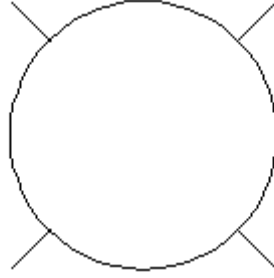
Yeşil, Kırmızı, Beyaz Işık Odası



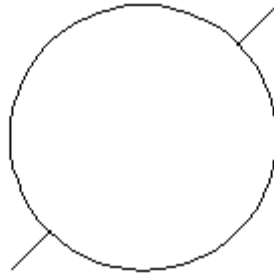
Beyaz



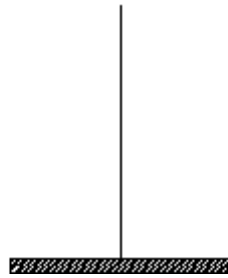
Beyaz Yanıp Sönüyor



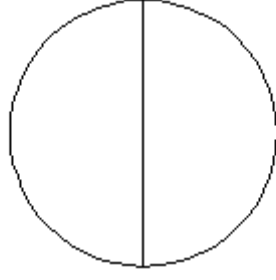
Beyaz Yanıp Sönüyor



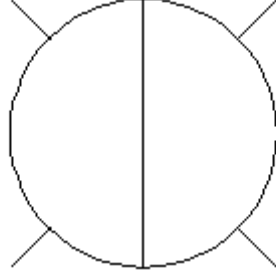
Altbilgi



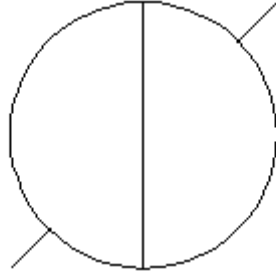
Yeşil



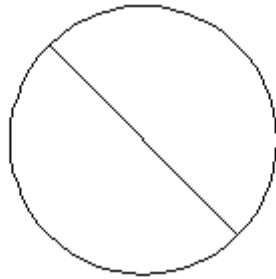
Yeşil Yanıp Sönüyor



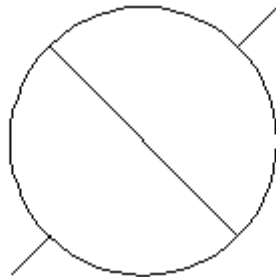
Yeşil Yanıp Sönüyor



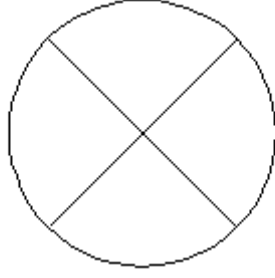
Portakal



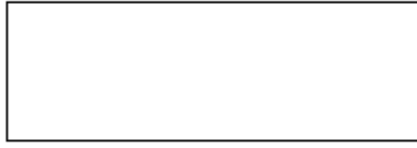
Yanıp Sönen Turuncu



Mavi

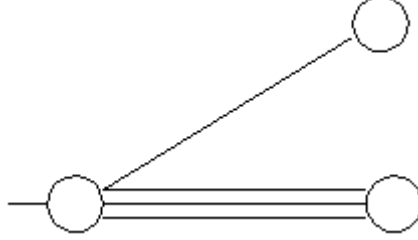


Çerçeve

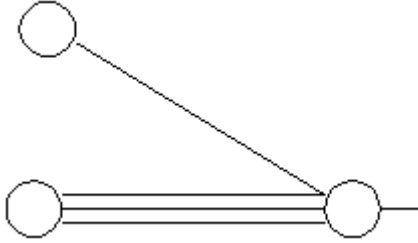


## "Demiryolu Otomasyonu" sembol kütüphaneleri: Röle kontaktları

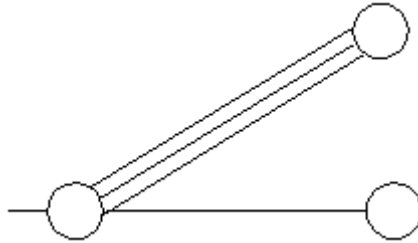
Heyecansız durumda aktif



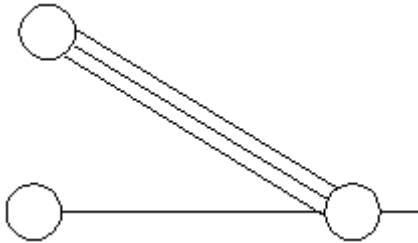
Heyecansız durumda aktif



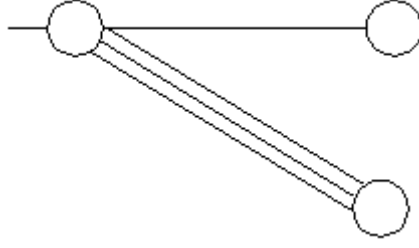
Heyecansız durumda aktif



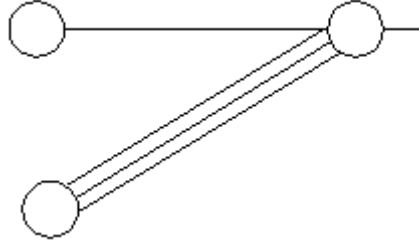
Heyecansız durumda aktif



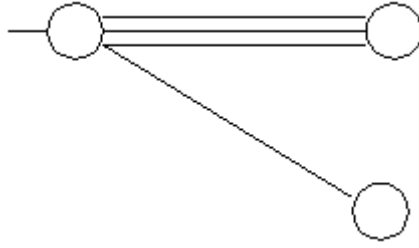
Heyecansız durumda aktif



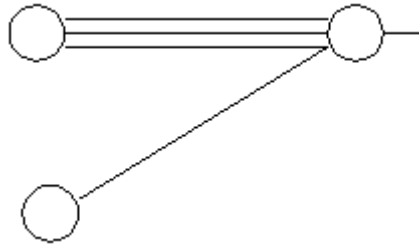
Heyecansız durumda aktif



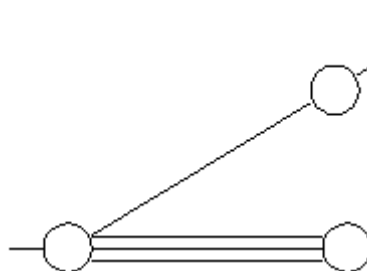
Heyecansız durumda aktif



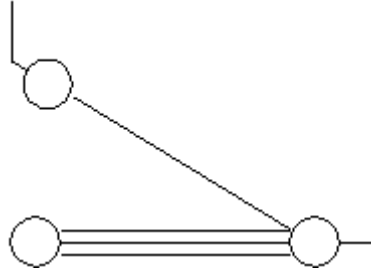
Heyecansız durumda aktif



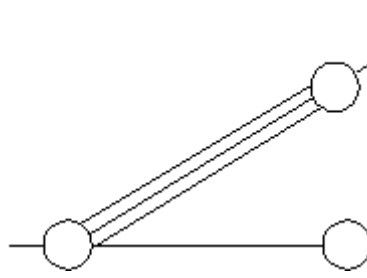
Heyecanlı durumda aktif



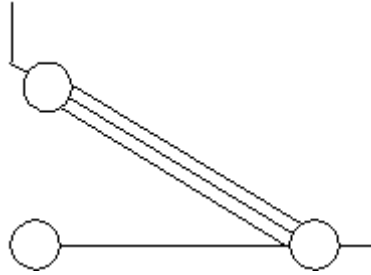
Heyecanlı durumda aktif



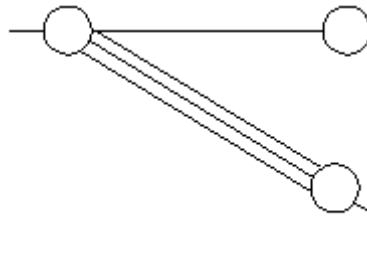
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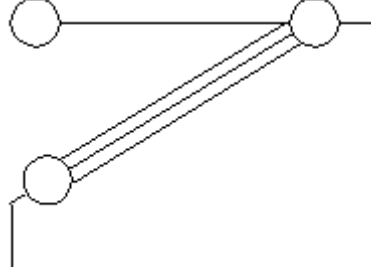
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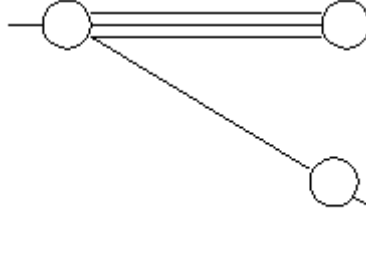
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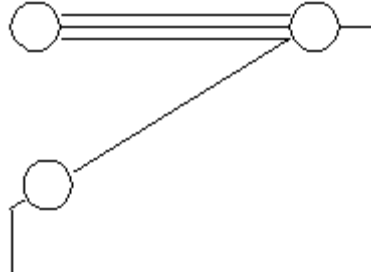
Heyecanlı durumda aktif



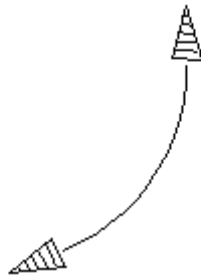
Heyecanlı durumda aktif



Heyecanlı durumda aktif



Dürtü

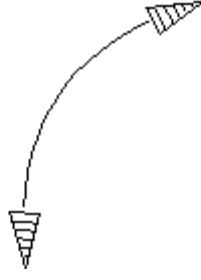


Dürtü





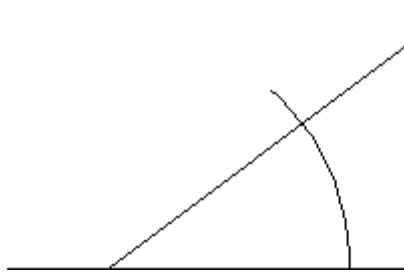
Dürtü



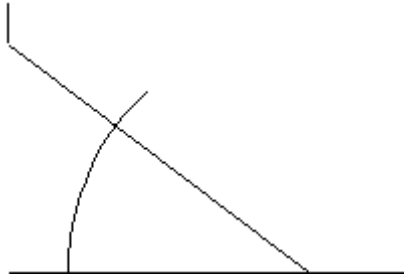
Dürtü



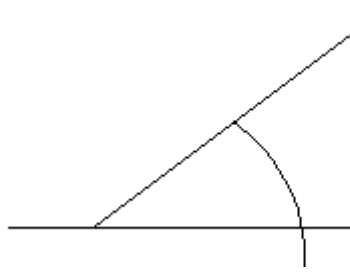
Heyecanlı durumda aktif



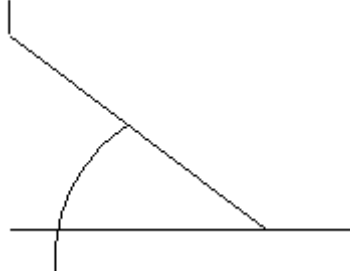
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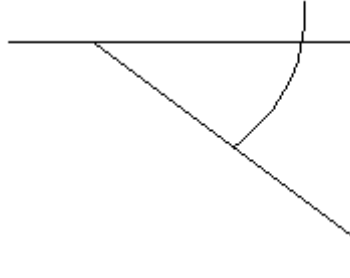
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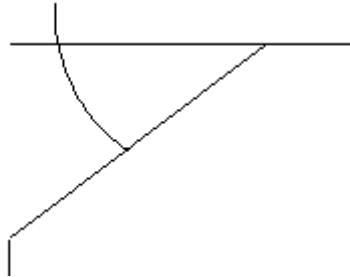
Heyecanlı durumda aktif



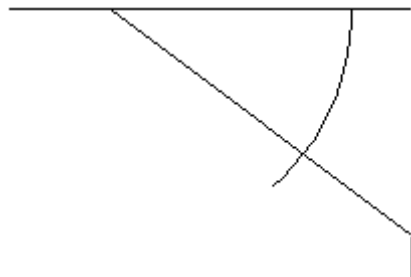
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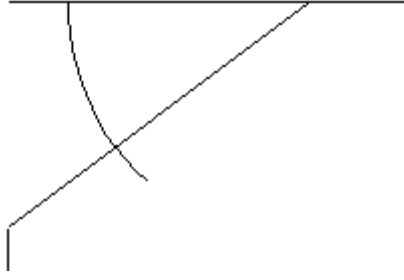
Heyecanlı durumda aktif



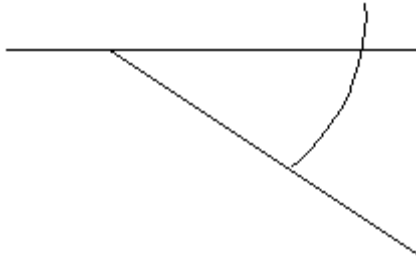
Heyecanlı durumda aktif



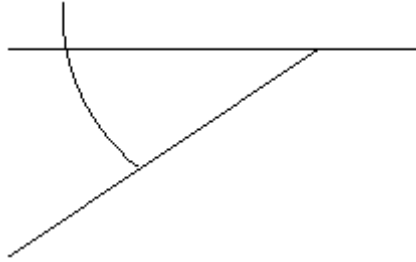
Heyecanlı durumda aktif



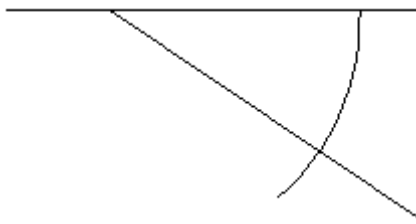
Heyecanlı durumda aktif



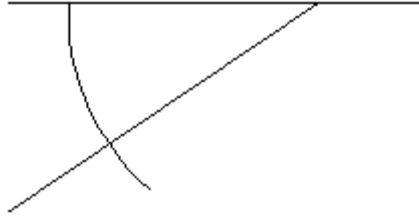
Heyecansız durumda aktif



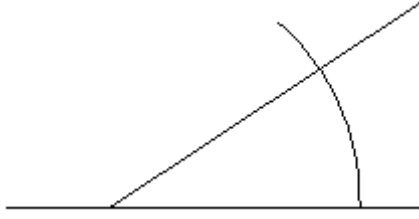
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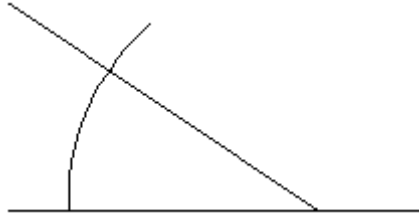
Heyecansız durumda aktif



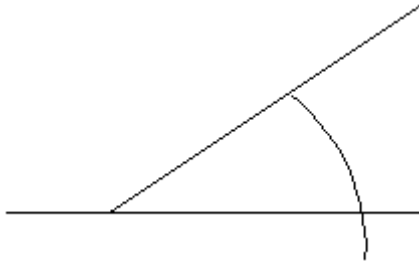
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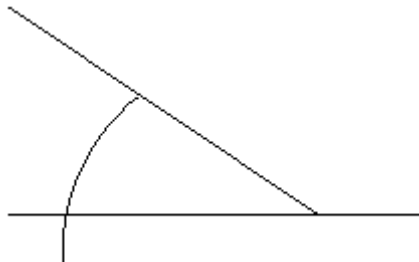
Heyecansız durumda aktif



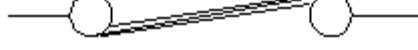
Heyecansız durumda aktif



Heyecansız durumda aktif

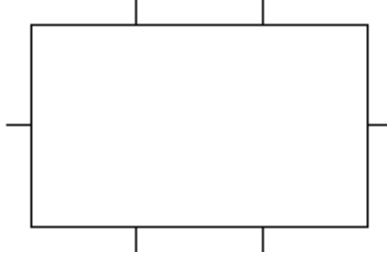


Sürücü anahtarı kontağı

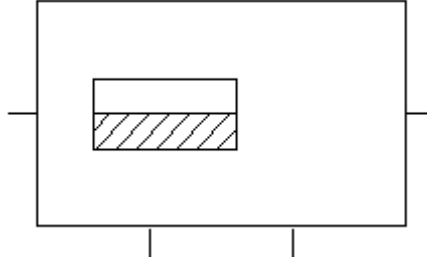


## "Kontrol ve Ölçüm Ekipmanları" sembol kütüphaneleri: Sensörler

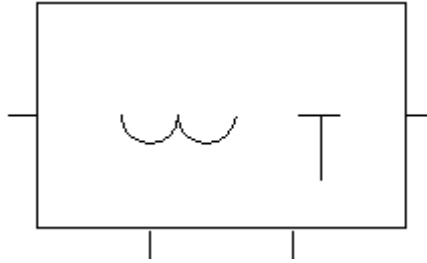
Sensör tabanı sembolü



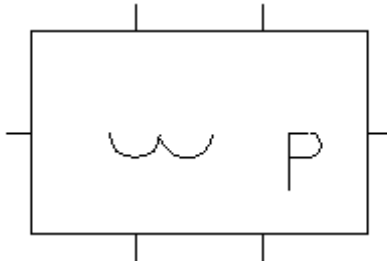
Bimetal Sensör



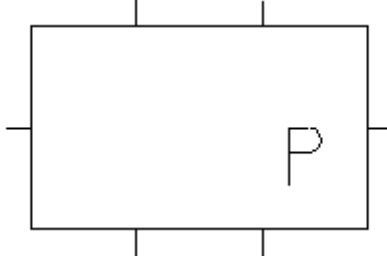
Sıvı Göstergesi Sensörü



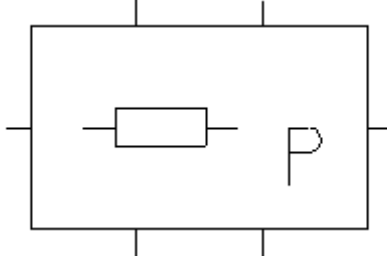
Basınç sensörü, basınç göstergesi. Sıvı



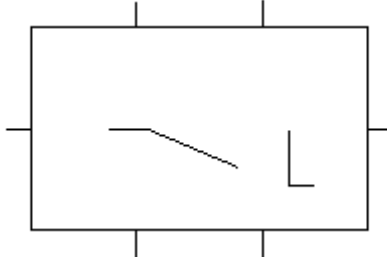
Basınç Sensörü



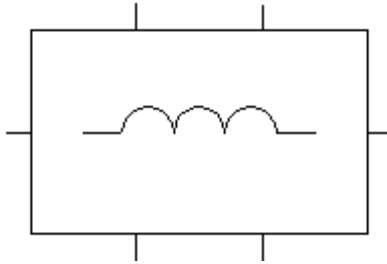
Gerinim Ölçer Basınç Sensörü



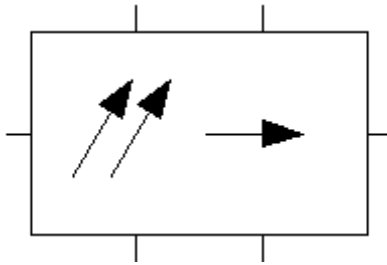
Elektrotlu seviye sensörü. iletkenlik.



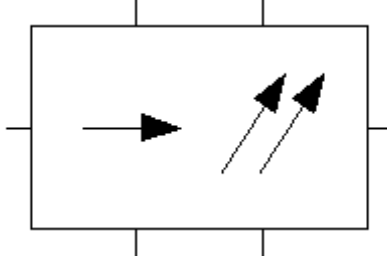
Elektromanyetik Akış Ölçer Sensörü



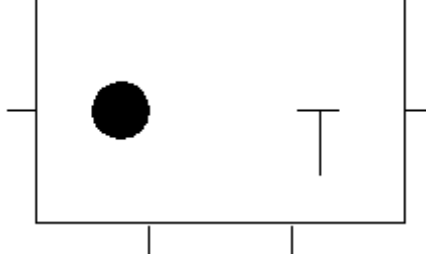
Fotoelektrik Seviye Sensörü - Transmitter



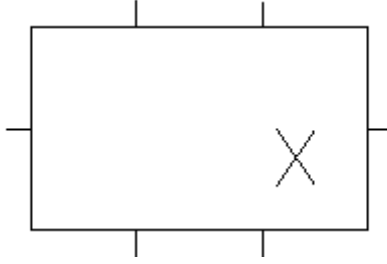
Fotoelektrik Seviye Sensörü - Alıcı



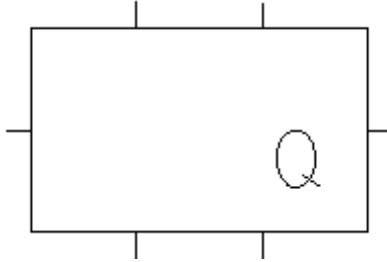
Gaz Göstergesi Gösterge Sensörü



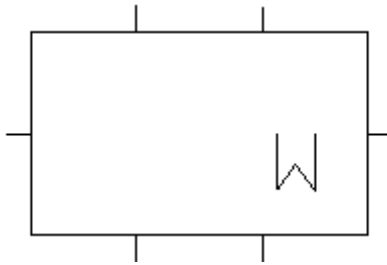
Diğer boyutlardaki sensör



Kalite Sensörü

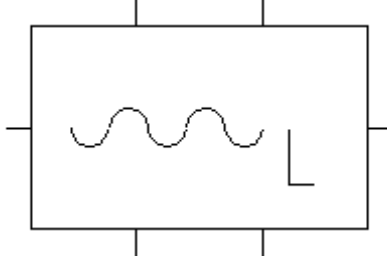


Ağırlık veya kuvvet sensörü

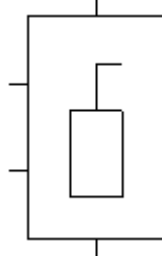


Membran seviye sensörü

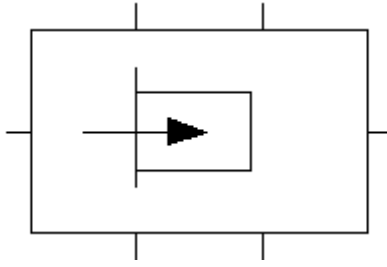




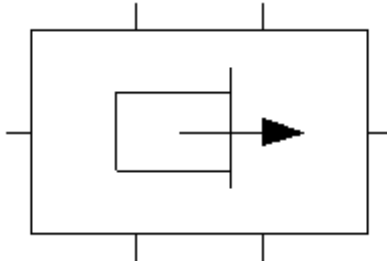
Piston seviye sensörü



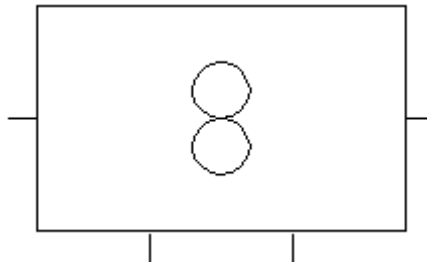
Entegre Ultrasonik Seviye Sensörü - Alıcı



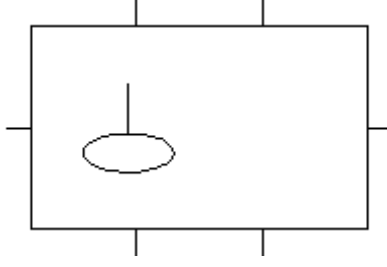
Entegre Ultrasonik Seviye Sensörü - Transmitter



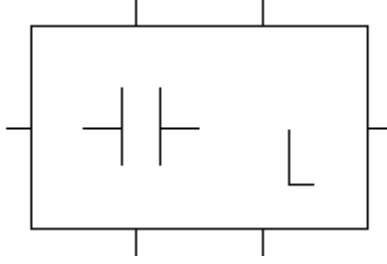
Oval-dairesel hacimsel akış sensörü



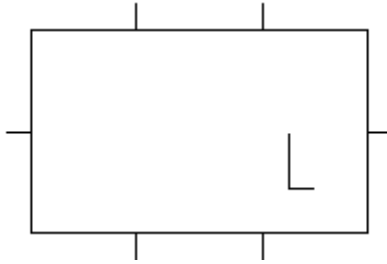
Şamandıralı seviye sensörü



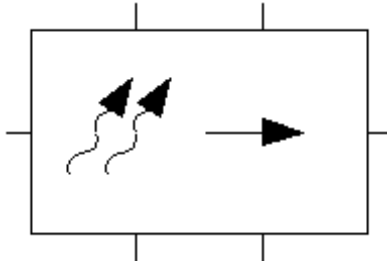
Kapasitif seviye sensörü



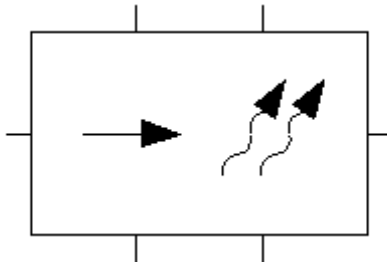
Seviye sensörü



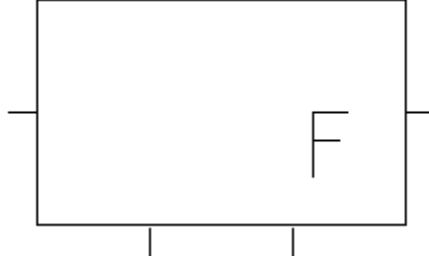
Seviye Sensörü, Radyoaktif Radyasyon Vericisi



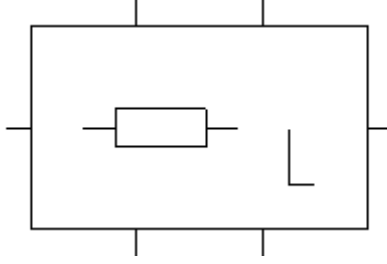
Seviye sensörü, radyoaktif radyasyon alıcısı



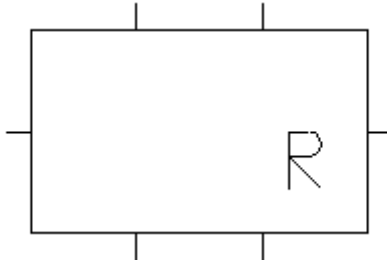
Akış sensörü



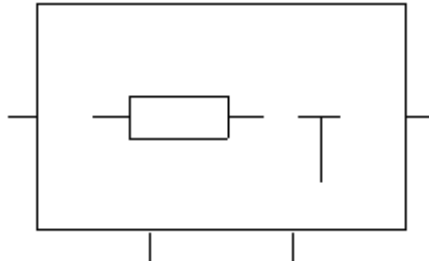
Direnç seviye sensörü



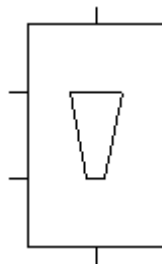
Radyoaktivite Dedektörü



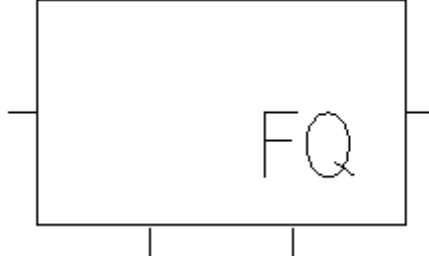
Direnç Sensörü



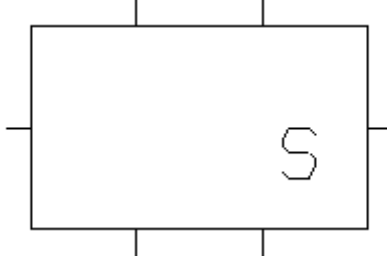
Rotametre Sensörü



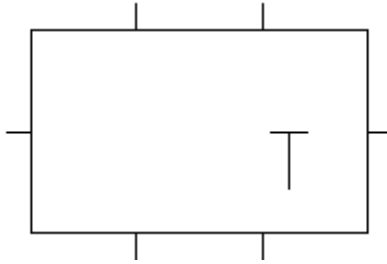
Hacim Akış Sensörü



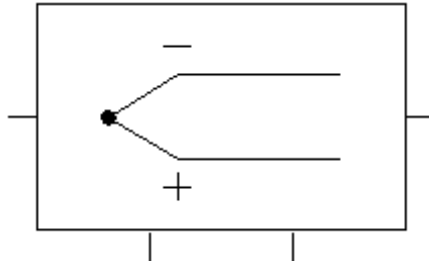
Hız veya frekans sensörü



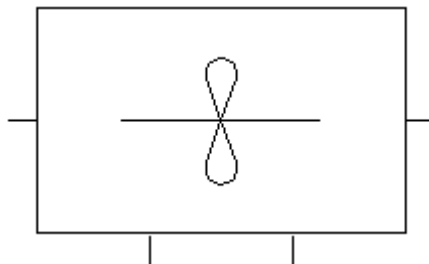
Sıcaklık sensörü



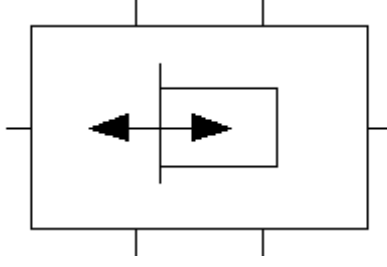
Termopil Sensörü



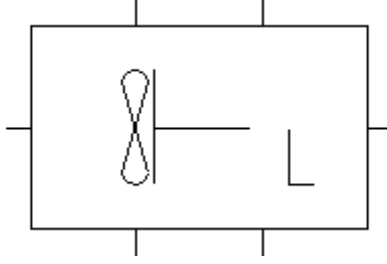
Türbin Sensörü



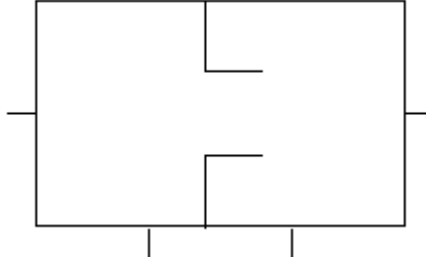
Entegre ultrasonik seviye sensörü



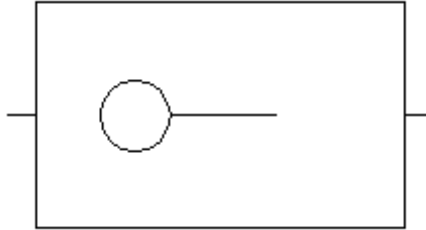
Rotor seviye sensörü



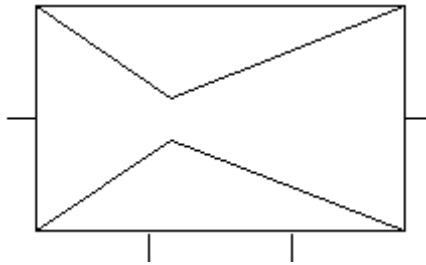
Ölçüm memesi



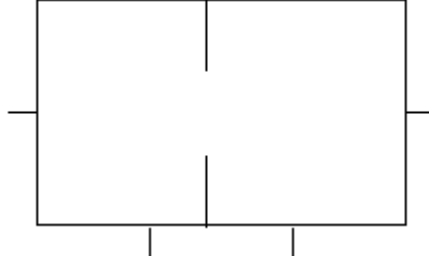
Cam termometre



Venturi

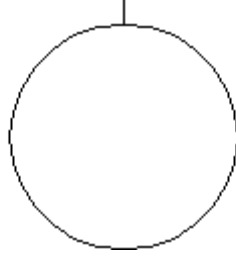


Venturi ölçümü, orifis

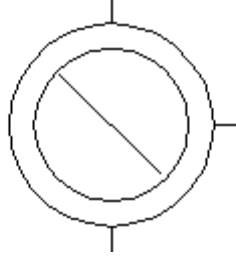


## "Kontrol ve ölçüm ekipmanı" sembol kütüphaneleri: Santral ekipmanları

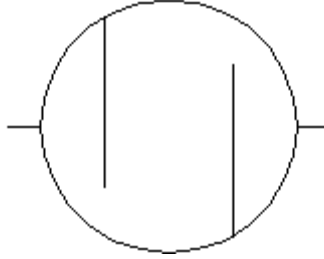
Karışabilir ısı alıcısı



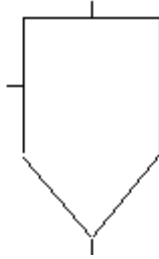
Dolaylı ısı alıcısı



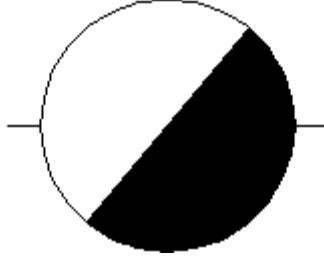
Ayırıcı



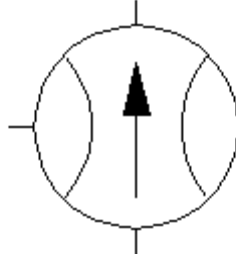
Toz Toplayıcı



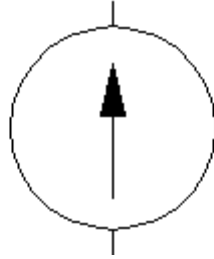
Buhar kurutucu



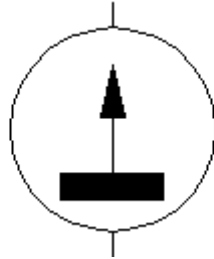
Itici



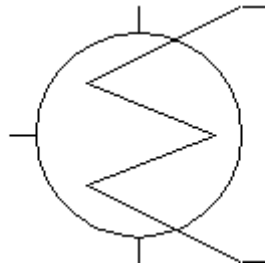
Santrifüj pompa



Deplasmanlı pompa

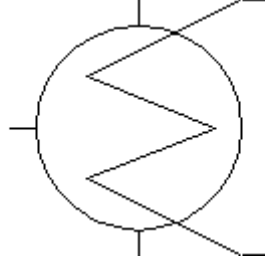


Kondenser açık soğutma sistemi

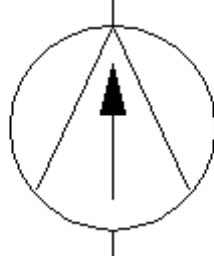


Kondenser kapalı soğutma sistemi

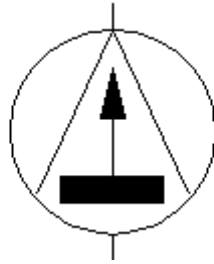




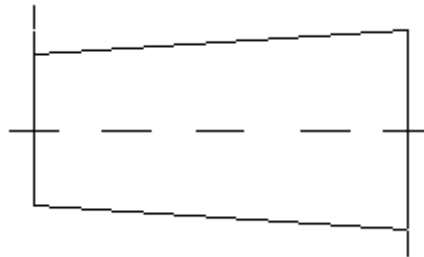
Santrifüj kompresör



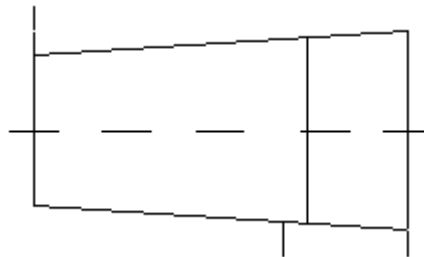
Deplasmanlı kompresör



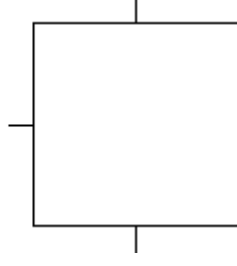
Türbin



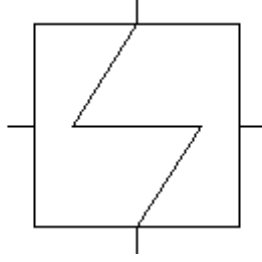
Hava alma türbini



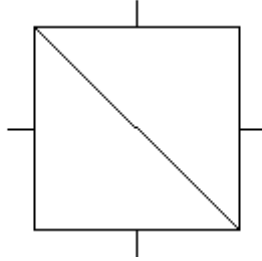
Karışabilir doğrudan ısı eşanjörü



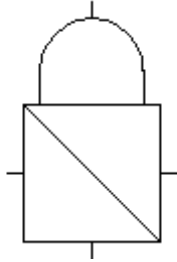
Ara yüzey ısı eşanjörü



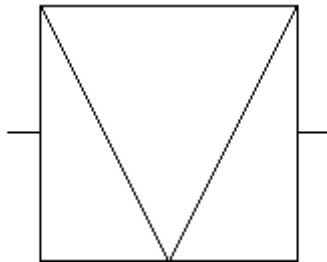
Diyaframlı ısı eşanjörü



Evaporatör

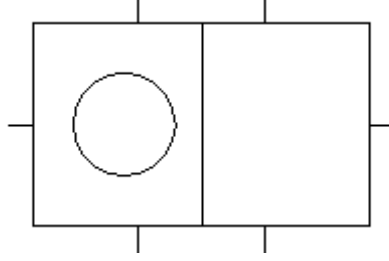


Su Mineralleştirici

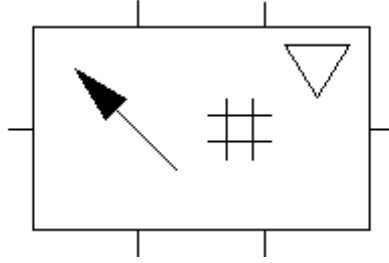


## "Kontrol ve ölçüm ekipmanı" sembol kitaplıkları: Sayaçlar, kaydediciler, kontak anahtarları

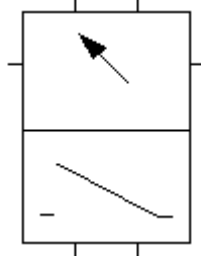
Pay



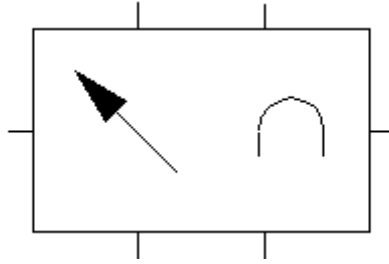
Maksimum göstergeli dijital sayaç



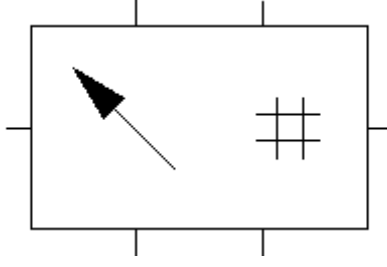
N ölçüm noktası için anahtarlı sayaç



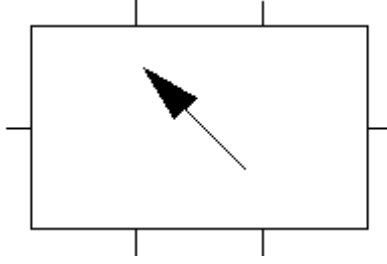
Analog Sayaç



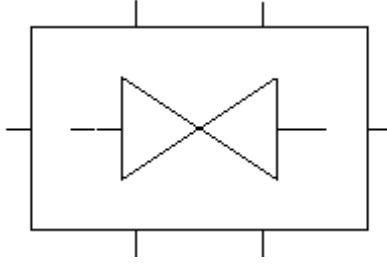
Dijital Sayaç



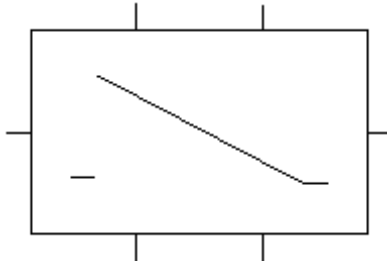
İşaretleme Ölçüm Cihazı



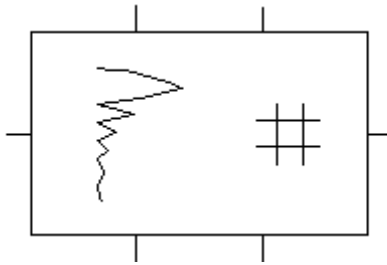
Ölçüm noktası anahtarı, mekanik



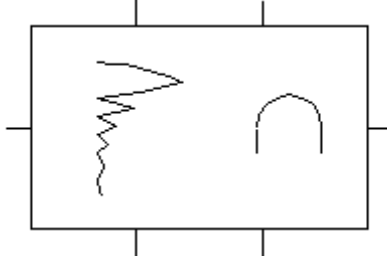
Ölçüm noktası anahtarı, elektrikli



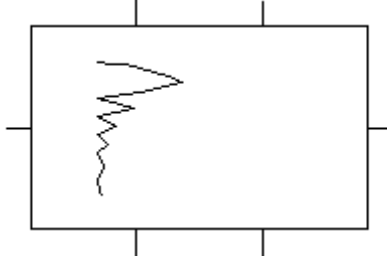
Dijital Kayıt Cihazı



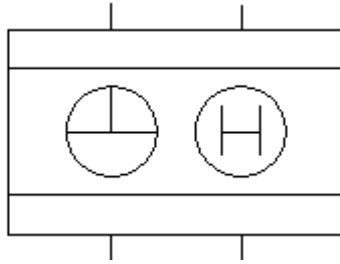
Analog Kayıt Cihazı



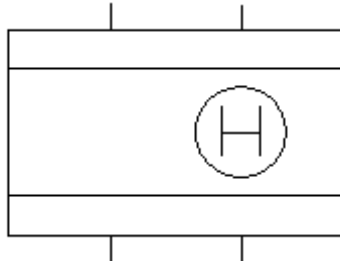
Kaydedici



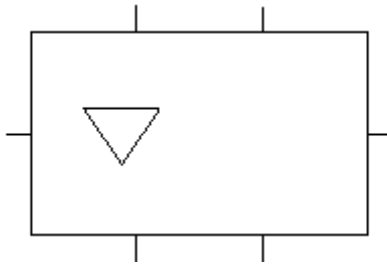
Kontrol anahtarlı taşıma anahtarı



Manipülasyon anahtarı



Sinyalizasyon için sinyal cihazı veya kontakları

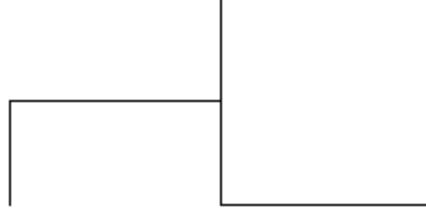


Bilgileri işlemeyen bir cihaz

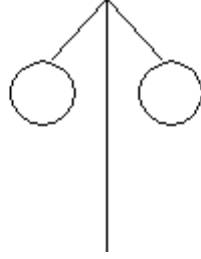


## "Kontrol ve ölçüm ekipmanı" sembol kütüphaneleri: Sürücüler, aktüatörler, düzenekler

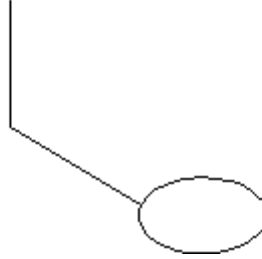
Yük sürücüsü



Yük sürücüsü



Şamandıralı tahrik



Yaylı tahrik



Diyaframlı Pnömatik Aktüatör



Elektromanyetik Aktüatör



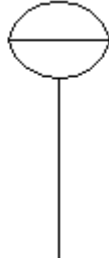
Motorlu Elektrikli Aktüatör



Çift Etkili Diyaframlı Pnömatik Aktüatör 180 Derece Döndürülmüş

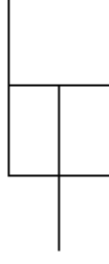


Çift Etkili Diyaframlı Pnömatik Aktüatör

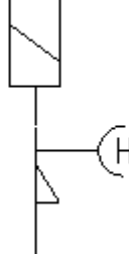


Piston silindiri

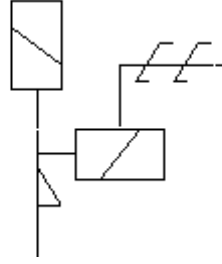




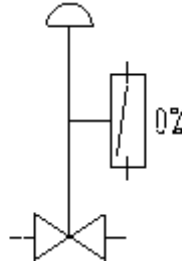
Manuel olarak temizlenmiş kilitli elektromanyetik aktüatör



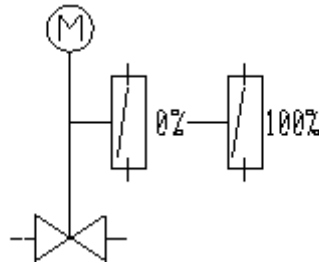
Uzaktan iptal edilen kilitlemeli elektromanyetik aktüatör



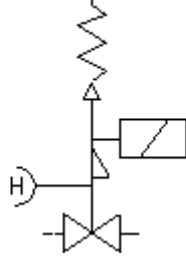
Pnömatik aktüatörlü ve NO anahtarlı kontrol vanası



Motorlu elektrikli aktüatörlü ve iki NO devre kesicili kontrol vanası

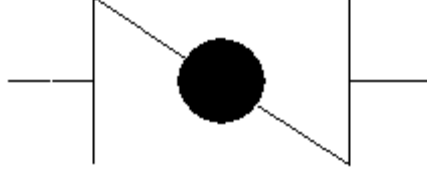


Uzaktan kilitleme mekanizmalı ve manuel mekanizmalı yaylı kontrol vanası

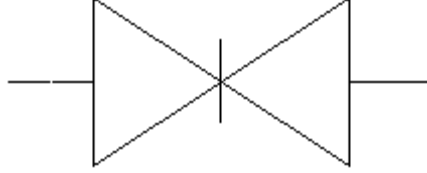


## "Kontrol ve ölçüm ekipmanı" sembol kütüphaneleri: Damper, sürgülü vanalar, vanalar

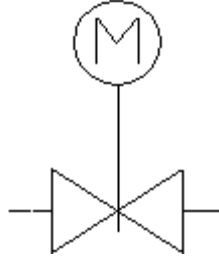
Boğmak



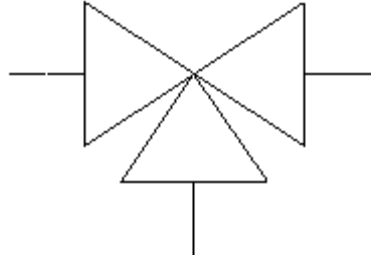
Civata



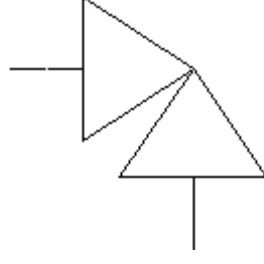
Servo motorlu sürgülü vana



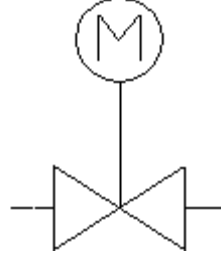
Popet valf



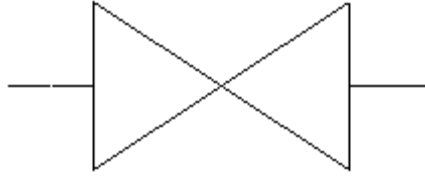
Servo motorlu popet valf



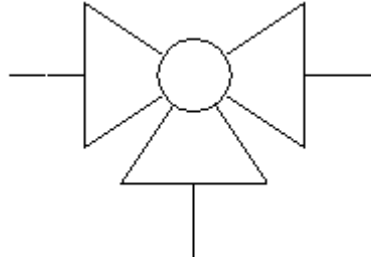
İki popet valf



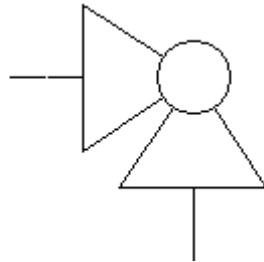
Açılı popet vana



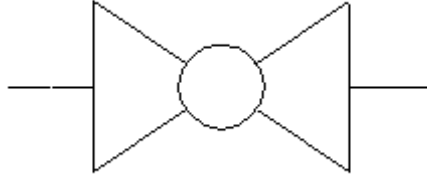
supap



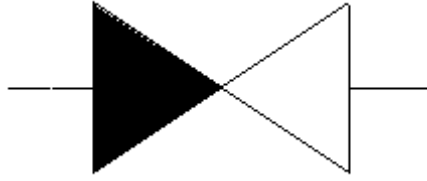
İki vana



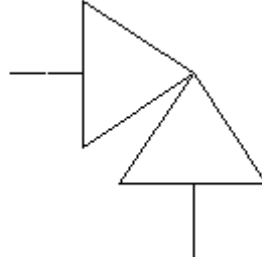
Açılı vana



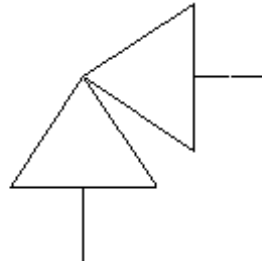
Supap



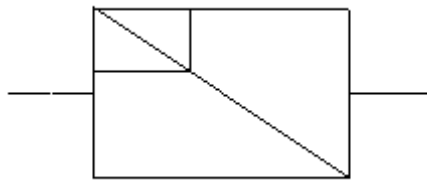
Açılı çek valf, sol



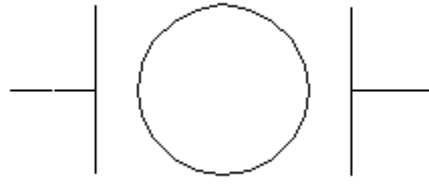
Açılı çek valf, sağ



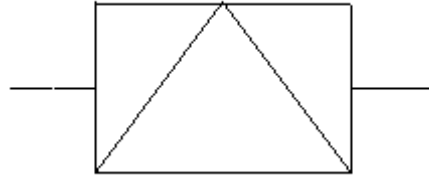
Flap Valf



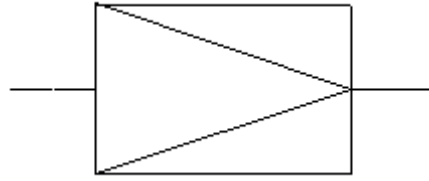
Küresel Vana



Diyafram valfi



Basınç Düşürücü Valf



## "Kontrol ve ölçüm ekipmanı" sembol kütüphaneleri: Aktüatörler, ölçüm noktaları

Aktüatör



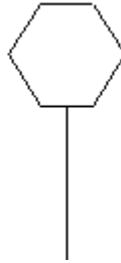
Aktüatör konnektörü 1 adım



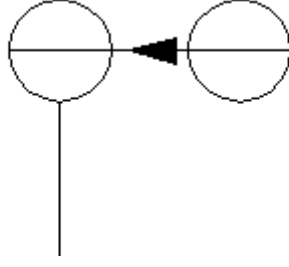
Aktüatör Konnektörü 2 adım



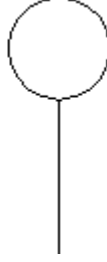
Dijital PA Noktası



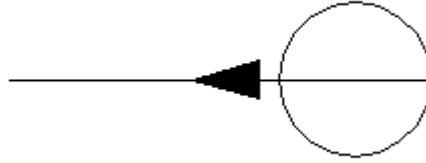
Yerel PA Noktası



Yerel PA Noktası



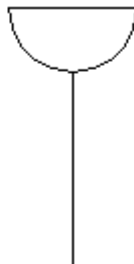
İşbirliği PA Noktası



Beyaz tahta ölçümü ile uzak PA noktası

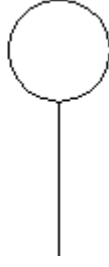


Periyodik Sinyal Alım Noktası

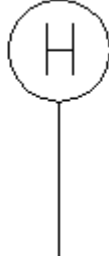


Aktüatör

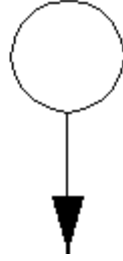




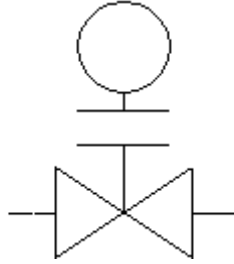
Manuel kontrol için ek elemanlı aktüatör



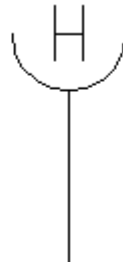
Aktüatörlü aktüatör



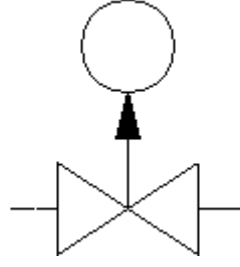
Aktüatör sabit konumu



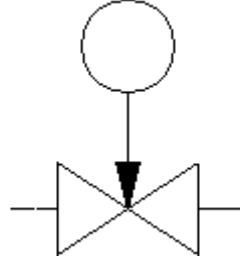
Manuel olarak kontrol edilen aktüatör



Açma hareketine sahip aktüatör

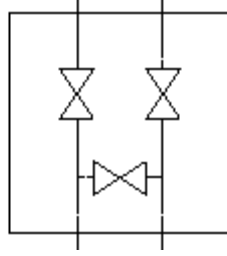


Kapatma hareketine sahip aktüatör

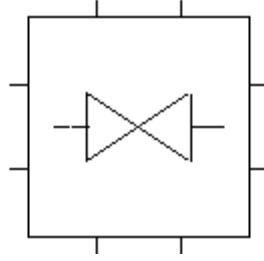


## "Kontrol ve ölçüm ekipmanı" sembol kütüphaneleri: Redüktörler, filtreler

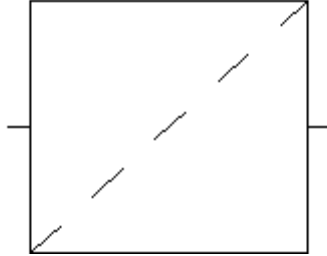
Valf Bloğu



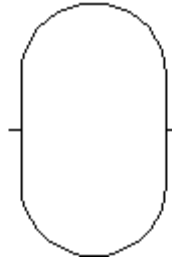
Valf Bloğu



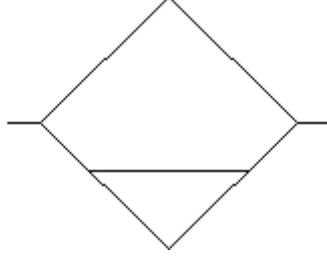
Filtre



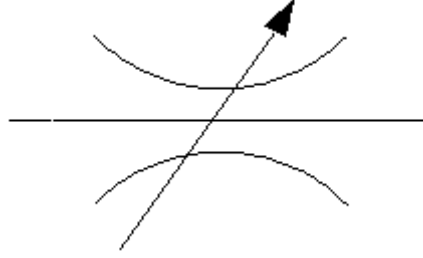
Yoğuşma kabı, çökeltme tankı, hazne



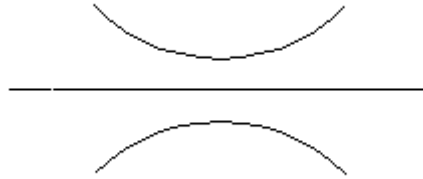
Yağ Giderici



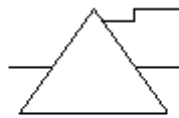
Ayarlanabilir direnç



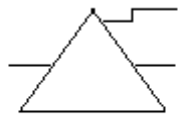
Sabit direnç; Bastırıcı



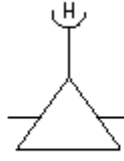
Redüktör; Diferansiyel Basınç Valfi



Harici basınç beslemeli redüktör



Manuel olarak ayarlanabilen redüktör

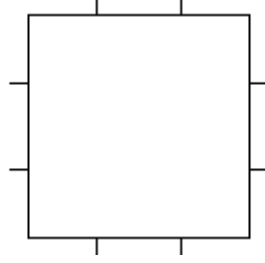


Manuel redüktör, filtre, manometre seti

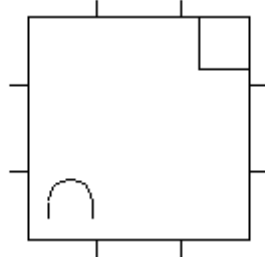


## "Kontrol ve ölçüm ekipmanı" sembol kütüphaneleri: Regülatörler, transdüserler

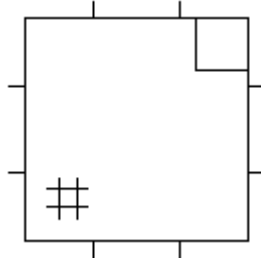
Analog Sayma Bloğu



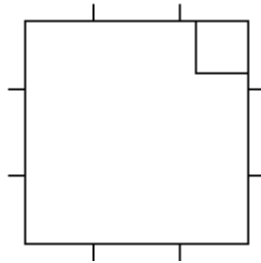
Analog Bellek Elemanı



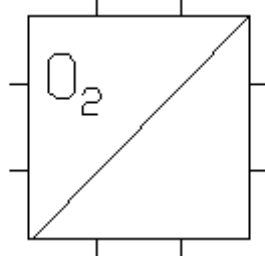
Dijital Hafıza Elemanı



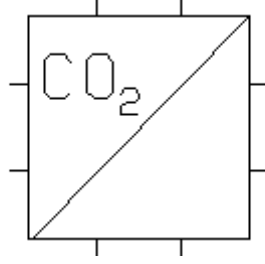
Hafıza Elemanı



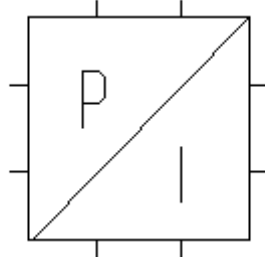
Oksijen Verici



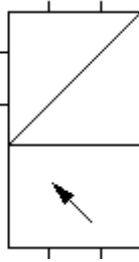
Karbondioksit Verici



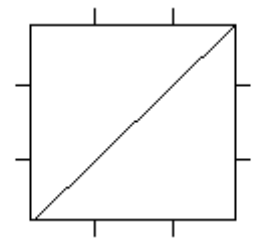
Basınç Dönüştürücü



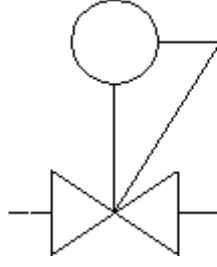
Sayaçlı dönüştürücü



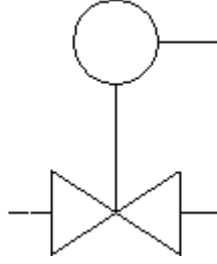
Dönüştürücü, konumlandırıcı



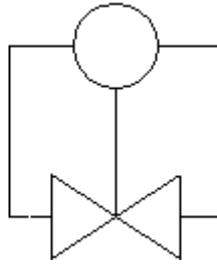
Dahili darbeli basınç regülatörü



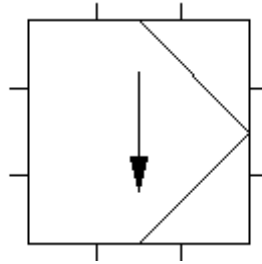
Harici darbeli basınç regülatörü



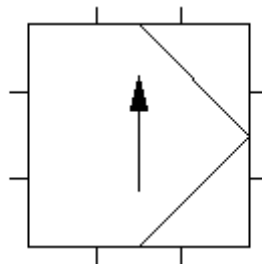
Harici Darbe Diferansiyel Basınç Regülatörü



Regülatörü

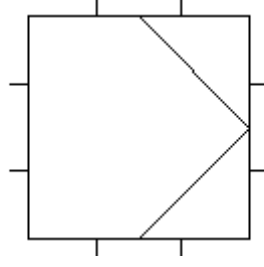


Ters çevirme regülatörü

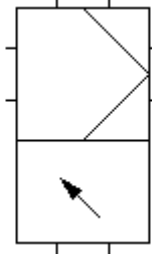


Düz etkili regülatör





Minimum göstergeli ve sinyalizasyonlu regülatör



## "Kontrol ve ölçüm ekipmanı" sembol kütüphaneleri: Ana tablolar

### Proses Verileri - Ölçüm

Medium:	Temperatura:
Nr Rurociagu:	Cisnienie:

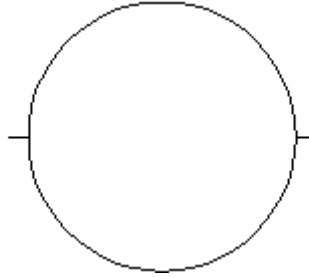
### Sensör tablosu

Nazwa:
Producent:
Zakres:
Wyjście:
Zasilanie:
IP:
Uwagi:

### Filtre Tablosu

Nazwa:
Producent:
Zakres:
Wyjście:
Zasilanie:
Typ:
Klasa:
Uwagi:

### Gösterge Tablosu



### Dönüştürücü Tablosu

Nazwa: Producent: Zakres: Zasilanie: Wyjście: IP: Uwagi:	

Gaz kelebeği tablosu

Nazwa: Producent: Zakres: Wydajno.: Wyjście: Dn przep.: Charakter.: Uwagi:	

Regülatör tablosu

Nazwa: Producent: Zakres: Wyjście: Zasilanie: IP: Uwagi:	

Kontak anahtarı tablosu

Nazwa: Producent: Zakres: Wyjście: Zasilanie: Uwagi:	

Pozisyoner masası

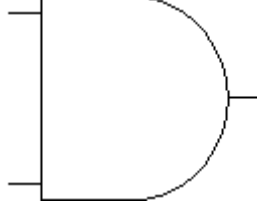
Nazwa: Producent: Zakres: Wyjście: Zasilanie: Uwagi:	

Vana Tablosu

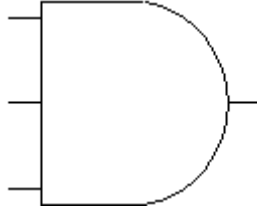
Nazwa:	
Producent:	
Zakres:	
Wydajno.:	
Wysiole:	
Dn zawor:	
Dn gniazd.:	
Uwagi:	

## "Elektronik" Sembol Kütüphaneleri: Kapılar

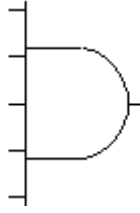
Kapı VE 2 giriş



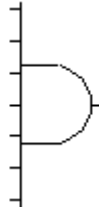
Kapı VE 3 giriş



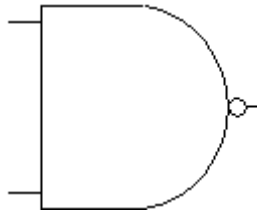
Kapı VE 5 giriş



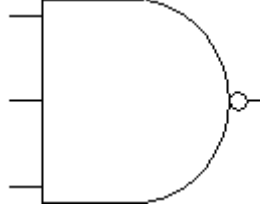
Kapı VE 7 giriş



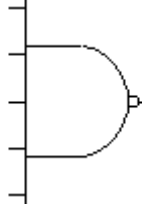
NAND kapısı 2 girişi



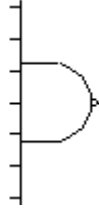
NAND kapısı 3 girişi



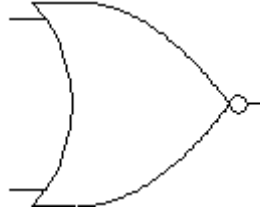
NAND kapısı 5 giriş



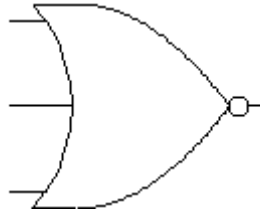
NAND kapısı 7 giriş



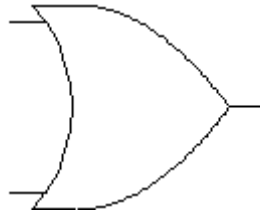
NOR Kapısı 2 Girişleri



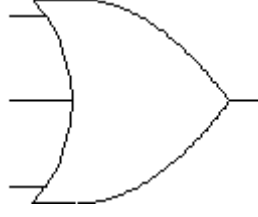
3 girişli NOR kapısı



Kapı VEYA 2 giriş

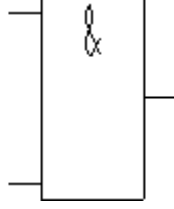


Kapı VEYA 3 giriş

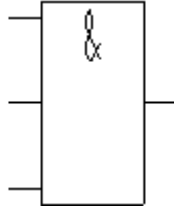


## "Elektronik" sembol kütüphaneleri: IEC'ye göre kapılar

Kapı VE 2 giriş



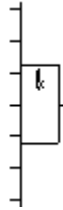
Kapı VE 3 giriş



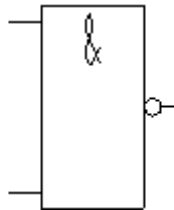
Kapı VE 5 giriş



Kapı VE 7 giriş

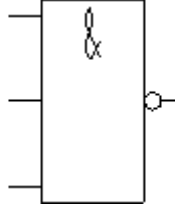


NAND kapısı 2 girişi

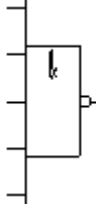


NAND kapısı 3 girişi

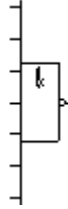




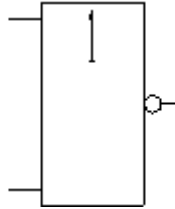
NAND kapısı 5 giriş



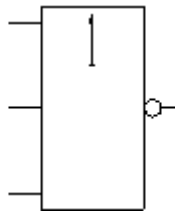
NAND kapısı 7 giriş



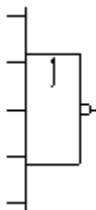
NOR Kapısı 2 Girişleri



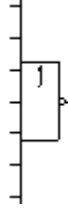
3 girişli NOR kapısı



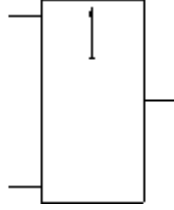
NOR kapısı 5 giriş



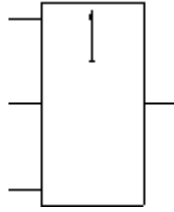
NOR kapısı 7 giriş



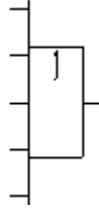
Kapı VEYA 2 giriş



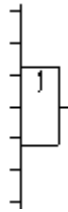
Kapı VEYA 3 giriş



Kapı VEYA 5 giriş

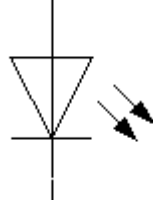


Kapı VEYA 7 giriş

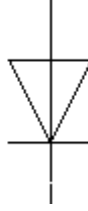


## "Elektronik" Sembol Kütüphaneleri: Yarı İletken Diyotlar

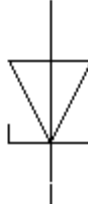
Işık yayan diyot



Diyot



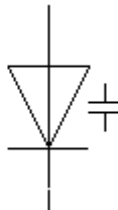
Tek yönlü çığ diyotu



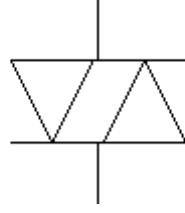
Çift yönlü çığ diyotu



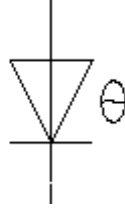
Değişken kapasitans diyot



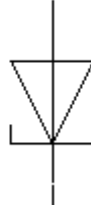
Çift yönlü diyot (simetrik)



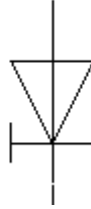
Sıcaklığa bağılı diyot



Tünel Diyot



Ters diyot

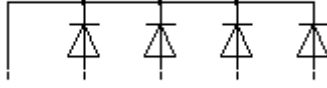


## "Elektronik" sembol kütüphaneleri:D diyot hahamlar

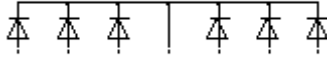
DAN2



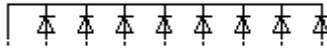
DAN4



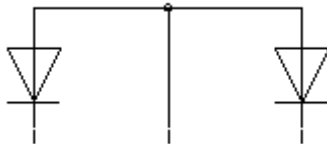
DAN6



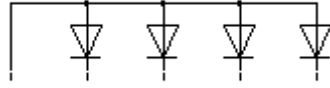
DAN8



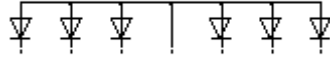
DAP2



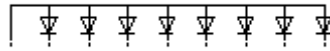
DAP4



DAP6

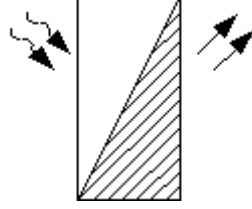


DAP8

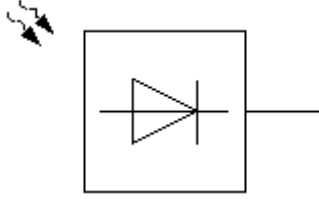


## "Elektronik" sembol kütüphaneleri: elektromanyetik radyasyona duyarlı bileşenler

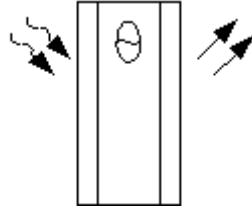
Çerenkov dedektörü



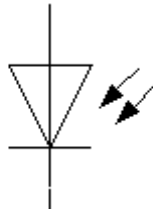
Katı Hal Dedektörü



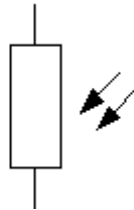
Termominesans dedektör



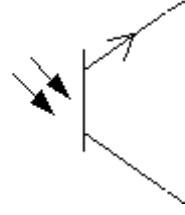
Fotodiyot



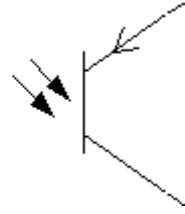
Fotodirenç



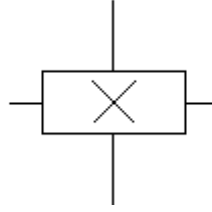
NPN Fototransistör



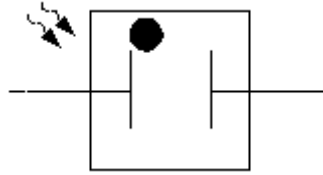
PNP Fototransistör



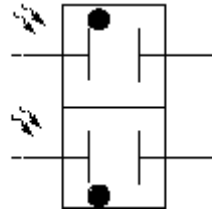
Hall Jeneratör 4 Üretimi



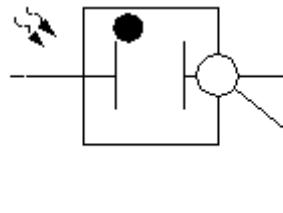
İyonizasyon odası



Kompanzasyonlu iyonizasyon odası

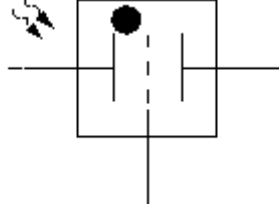


Halkalı iyonizasyon odası

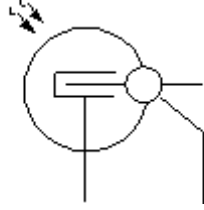




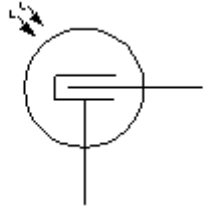
Örgülü iyonizasyon odası



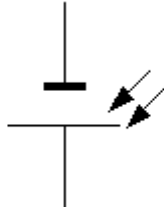
Halkalı radyasyon sayacı



Radyasyon Sayacı



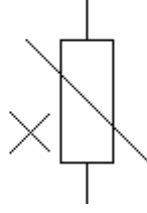
Fotoelektrik Hücre



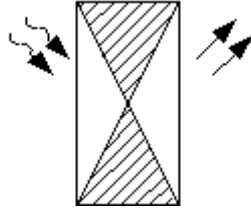
Faraday'ın Kutusu



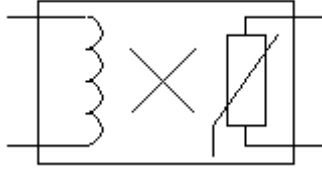
Manyetik alana bağlı direnç



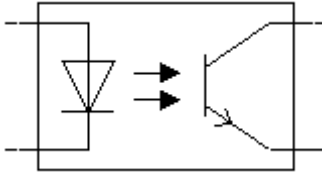
Sintilatör Dedektörü



Manyetik Bağlayıcı

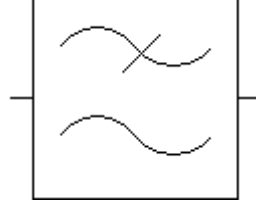


Optik bağlayıcı

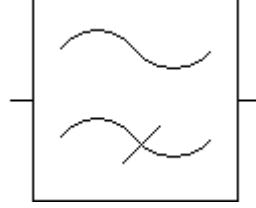


## "Elektronik" Sembol Kütüphaneleri: Filtreler

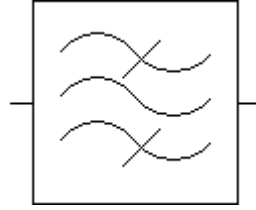
Alçak geçiren filtre



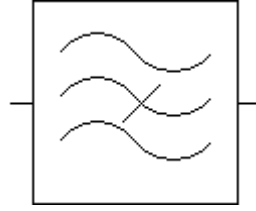
Yüksek geçiren filtre



Bant durdurma filtresi

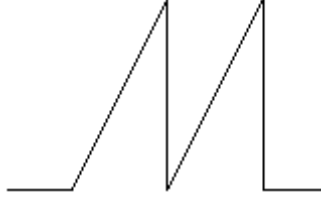


Merkez Kapatma Filtresi



## "Elektronik" Sembol Kütüphaneleri: Bakliyatlar

Testere Dişı Nabzı



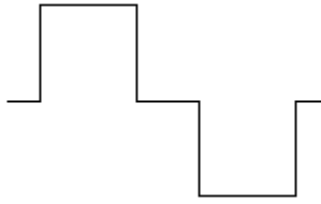
AC Nabız



Pozitif Kare Nabız



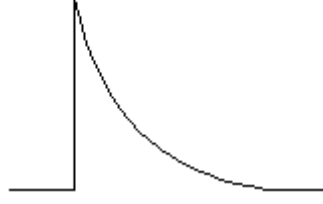
Çift taraflı kare darbe



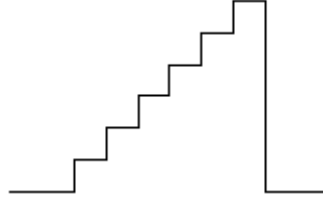
Negatif Kare Nabız



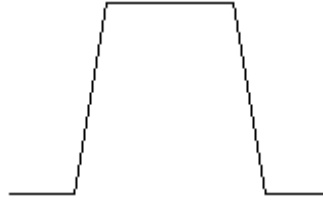
Ani artan ve katlanarak düşen dürtü



Kademeli Nabız



Trapez darbe

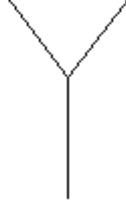


Üçgen nabız



## "Elektronik" Sembol Kütüphaneleri: Diğer

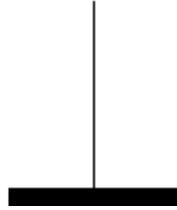
Anten



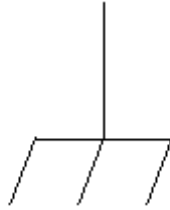
Hoparlör



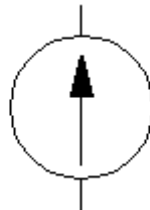
Kütle



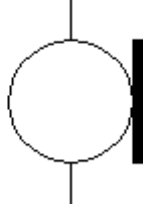
Kütle



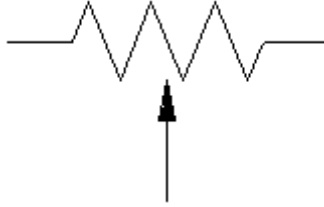
Ölçer



Mikrofon



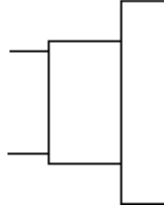
Tel potansiyometresi



Wirewound Direnç



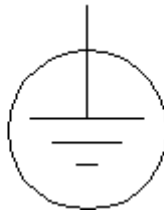
Yakıřıklı



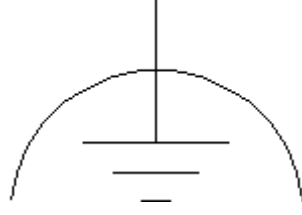
Zemin



Koruyucu topraklama



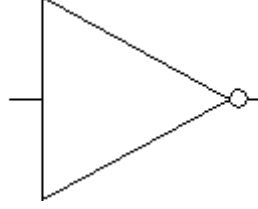
Gürültüsüz topraklama



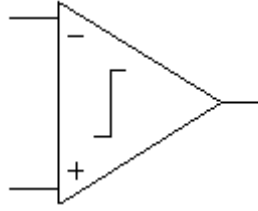


## "Elektronik" sembol kütüphaneleri: Karşılaştırıcılar, amplifikatörler, parmak arası terlikler

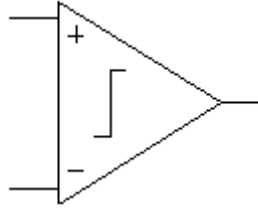
Inverter



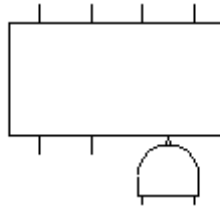
Gerilim Karşılaştırıcısı



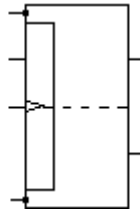
Gerilim Karşılaştırıcısı



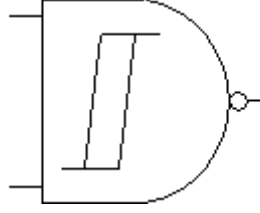
Pay



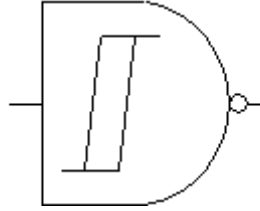
Güvenlik giriřli D-flip flop



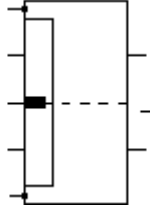
Parmak arası terlik



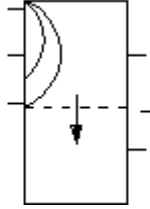
Parmak arası terlik



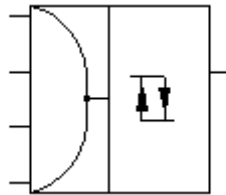
Güvenlik giriřli JK parmak arası terlik



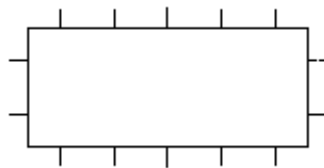
3 set giriřli monostable flip-flop



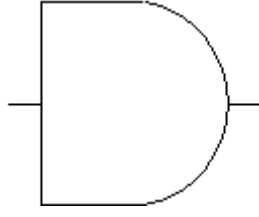
NAND kapısı giriřli Schmitt flip-flop



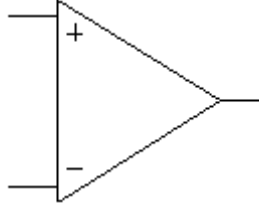
Vardiya Kaydı



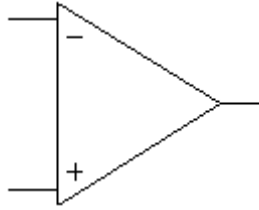
Anahtarlmalı amplifikatör



Op-amp

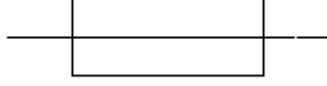


Op-amp



## "Elektronik" Sembol Kütüphaneleri: Pasif Bileşenler

Birleşmek



Birleşmek



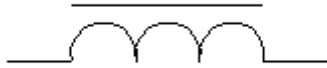
Ayarlanabilir çekirdek ferrit bobin



Endüktör



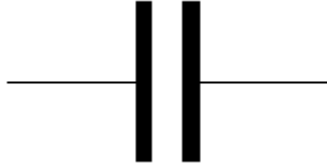
Bastırıcı



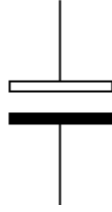
Kondansatör



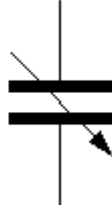
Kondansatör



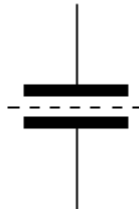
Elektrolitik kondansatör



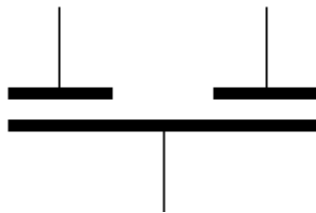
Döner kondansatör



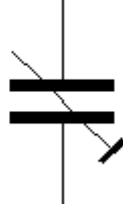
Geçiş kondansatörü



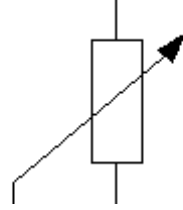
Diferansiyel kondansatör



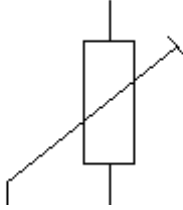
Ayar Kondansatörü - Düzeltici



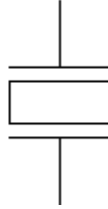
Döner potansiyometre



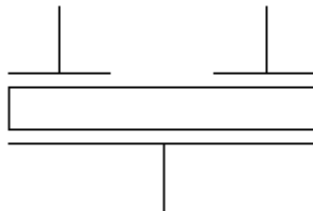
Ayarlanabilir direnç (ayarlanabilir potansiyometre)



İki elektrotlu piezoelektrik rezonatör



Üç elektrotlu piezoelektrik rezonatör



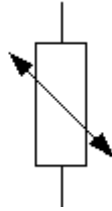
Direnç



Direnç



VDR Varistörü

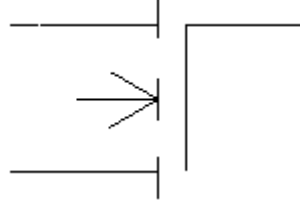


Ampul

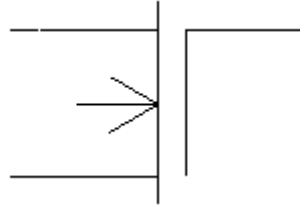


## "Elektronik" sembol kütüphaneleri: tristörler, transistörler

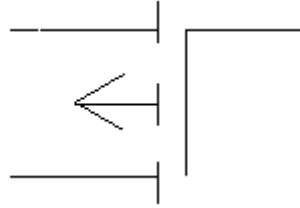
N-tipi zenginleştirilmiş IGFET transistör



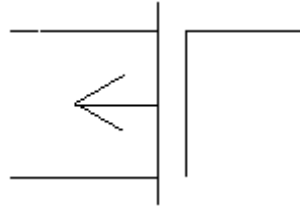
N-tipi tükenme IGFET transistörü



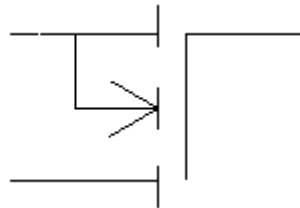
P tipi zenginleştirilmiş IGFET transistör



P-tipi tükenme IGFET transistörü

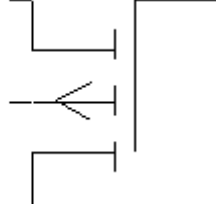


IGFET transistörle zenginleştirilmiş kapı içinde

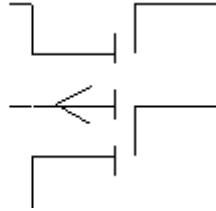


P tipi zenginleştirilmiş IGFET transistör

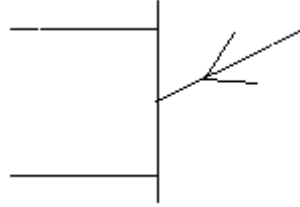




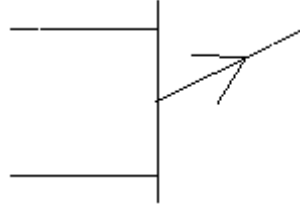
P-tipi tükenme IGFET transistörü



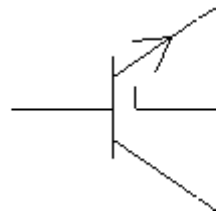
N tipi tabanlı tek bağlantılı transistör



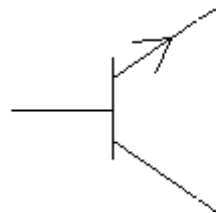
P tipi tabanlı tek bağlantılı transistör



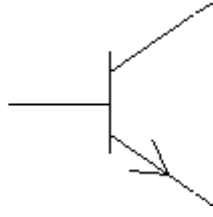
NPN ıđ transistörü



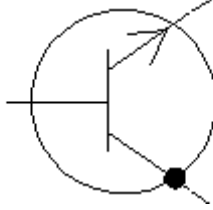
NPN Transistör



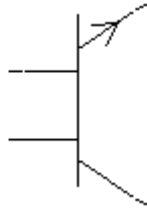
### NPN Transistör



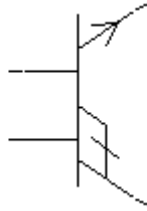
### Pakete bağlı NPN transistör toplayıcı



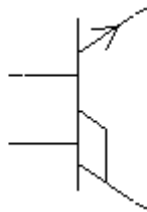
### Enine önyargı NPN transistör



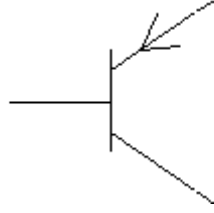
### PNIN transistör



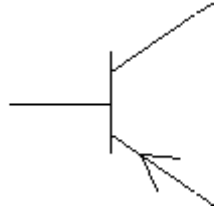
### PNIP transistör



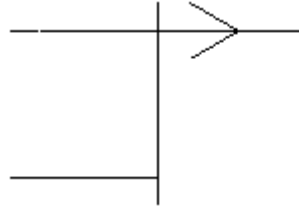
### PNP Transistör



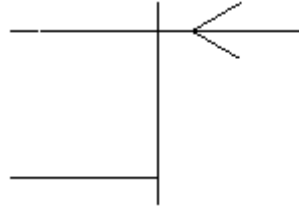
PNP Transistör



Kanallı bağlantı alan etkili transistör

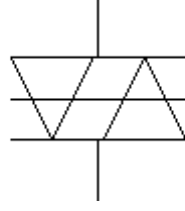


Kanallı bağlantı alan etkili transistör

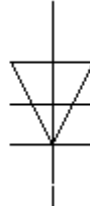


## "Elektronik" Sembol Kütüphaneleri: Tristörler

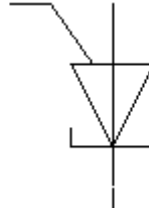
Çift yönlü diyot tristör



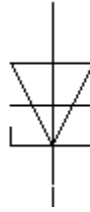
Ters Bloke Diyot Tristör



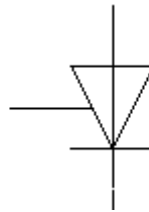
Geri iletken triyot tristör



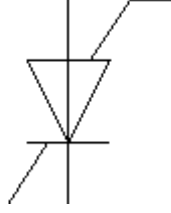
Geri iletken diyot tristör



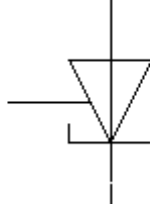
Tristör



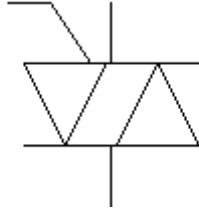
Geri bloke tetrode tristör



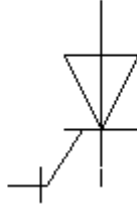
Geri iletken triyot tristör



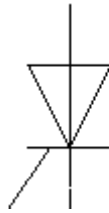
Çift yönlü triyot tristör



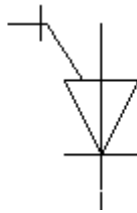
Triyot kapılı tristörü ayırın



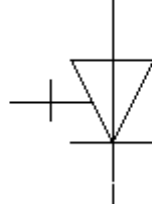
Arkadan kilitlemeli triyot tristör



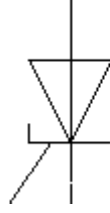
Triyot kapılı tristörü ayırın



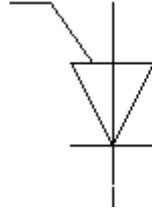
Triyot kapılı tristörü ayırın



Geri iletken triyot tristör

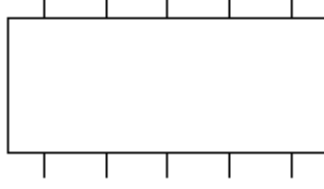


Arkadan kilitlemeli triyot tristör



## "Elektronik" Sembol Kütüphaneleri: Entegre Devreler

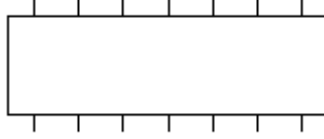
10 iğne



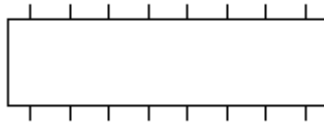
12 iğne



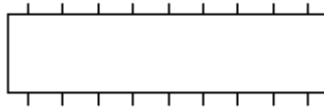
14 pin çıkışı



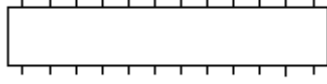
16 iğne



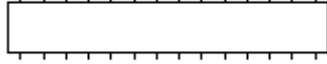
18 pin çıkışı



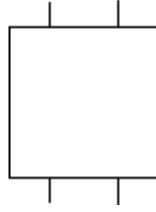
24 pin çıkışı



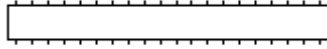
28 pin çıkışı



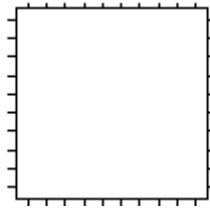
4 pin çıkışı



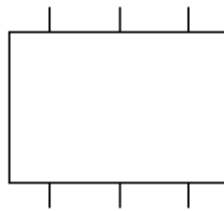
40 pin çıkışı



40 pin çıkışı

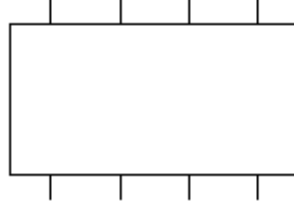


6 pin çıkışı



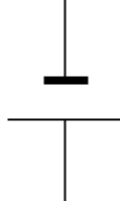


8 pin ıkıřı

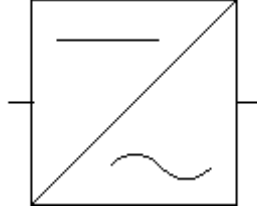


## "Elektronik" sembol kütüphaneleri: Güç kaynağı

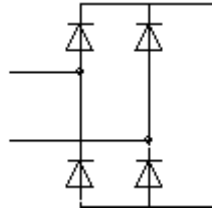
Pil



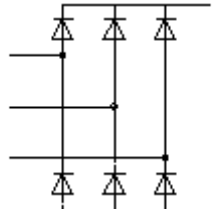
Inverter



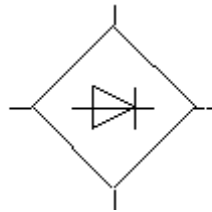
Köprü Doğrultucu



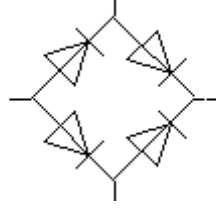
Köprü Doğrultucu



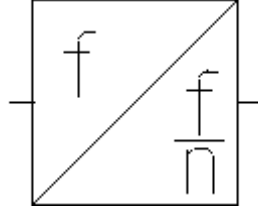
Köprü Doğrultucu



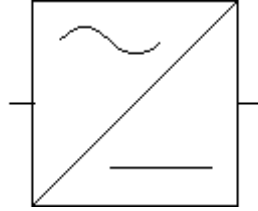
Köprü Doğrultucu



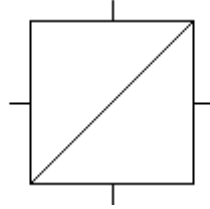
Frekans bölücü



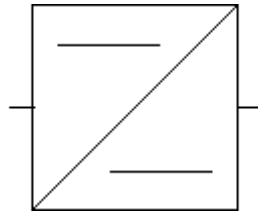
Doğrultucu



Dönüştürücü



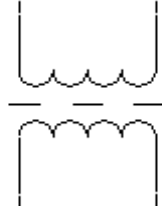
DC Dönüştürücü



Çift sargılı transformatör



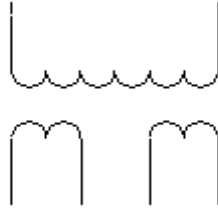
İki sargılı tek fazlı transformatör



Merkez İletken Transformatör

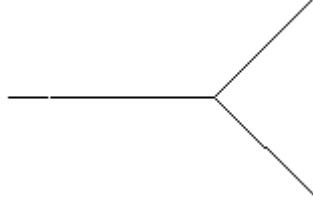


Üç sargılı transformatör

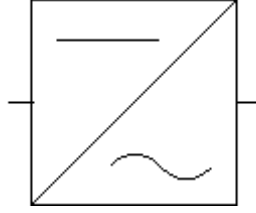


## "Elektronik" Sembol Kütüphaneleri: Konnektörler

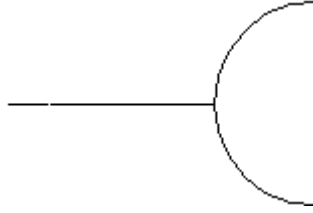
Soket direği



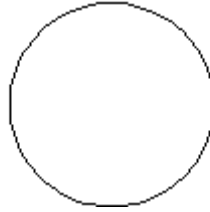
Fiş direği



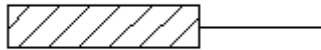
Yuva



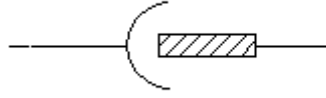
Bahşış



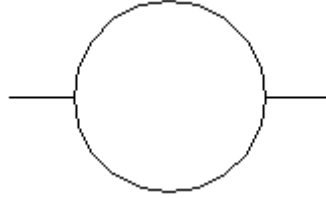
Fiş



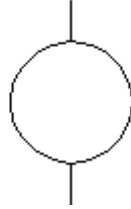
Fiş ve Soket



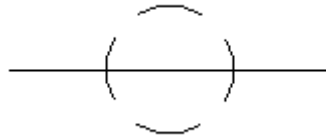
Bahşış



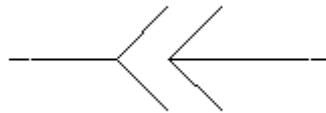
Bahşış



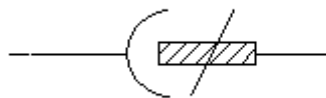
Korumalı kablo



Ekleme

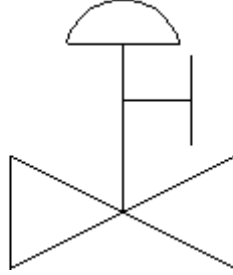


Fiş ve Soket

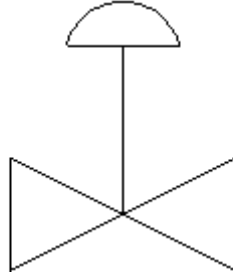


## "Hidrolik" sembol kütüphaneleri: Vanalar, aktüatörler

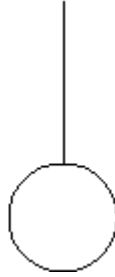
İlave manuel kontrollü otomatik valf



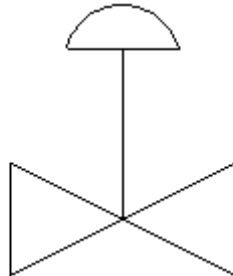
Otomatik popet vana



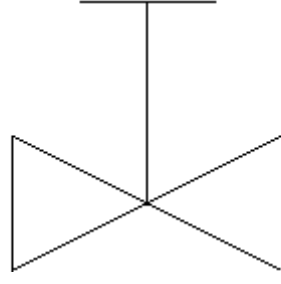
Sensör



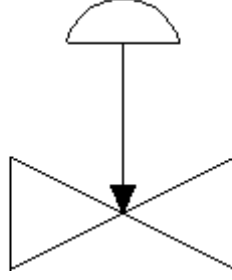
Otomatik Kontrol Vanası



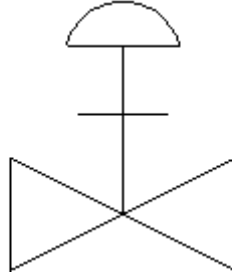
Manuel Kontrol Vanası



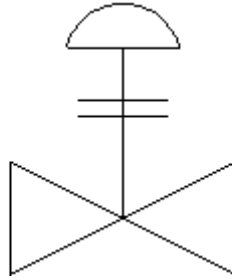
Aktüatör



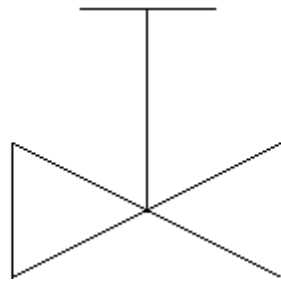
Aktüatör



Aktüatör

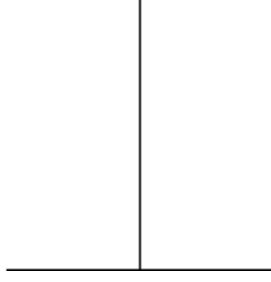


Manuel popet valf

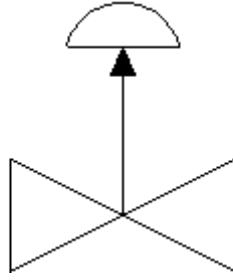




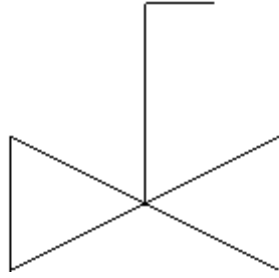
Ölçüm noktası



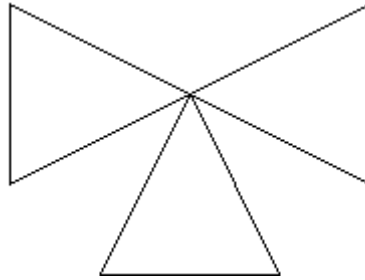
Aktüatör



Popet valf

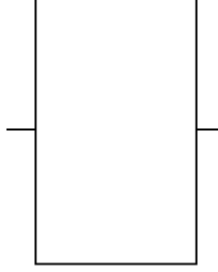


Üç popet vana

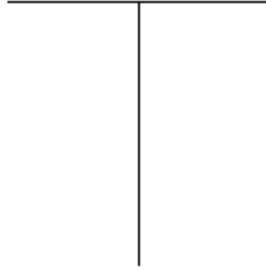


## "Hidrolik" sembol kütüphaneleri: Kontrol vanaları

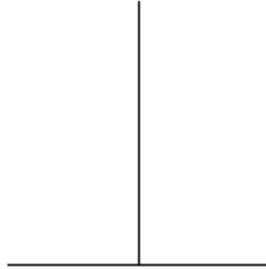
Valfler, tapalar, oklar



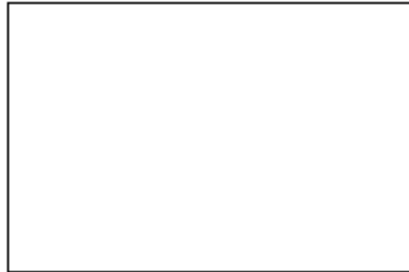
Kasket



Kasket



Tek bağlantılı akış yönü kontrol vanası



İki bağlantılı akış yönü kontrol vanası



Üç bağlantılı akış yönü kontrol vanası



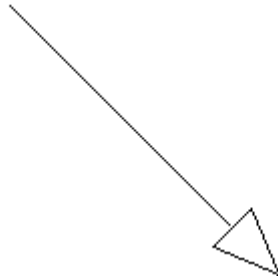
Kontrol vanaları için ok



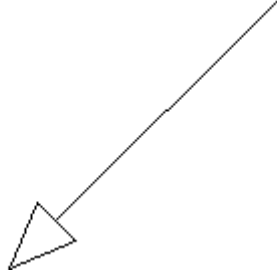
Kontrol vanaları için ok



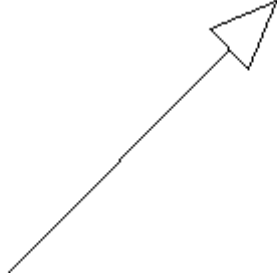
Kontrol vanaları için ok



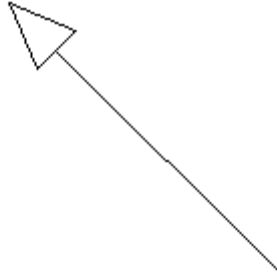
Kontrol vanaları için ok



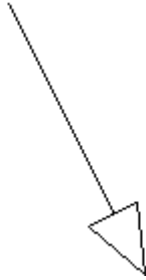
Kontrol vanaları için ok



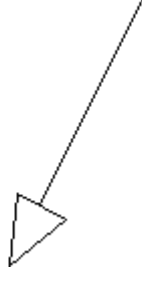
Kontrol vanaları için ok



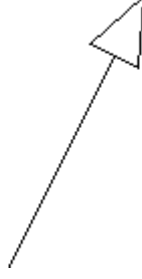
Kontrol vanaları için ok



Kontrol vanaları için ok



Kontrol vanaları için ok

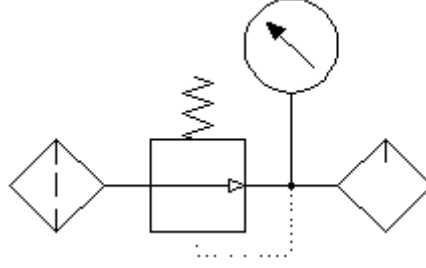


Kontrol vanaları için ok

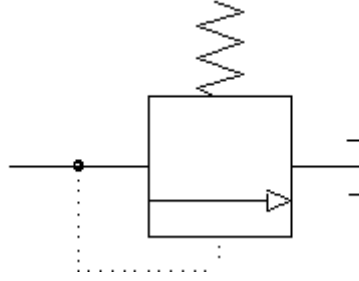


## "Hidrolik" sembol kütüphaneleri: Vanalar, regülatörler

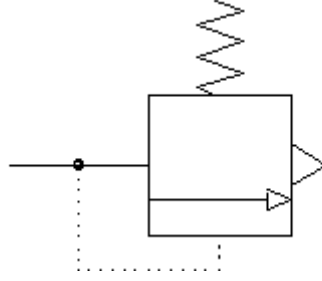
Pnömatik Giriş Ünitesi



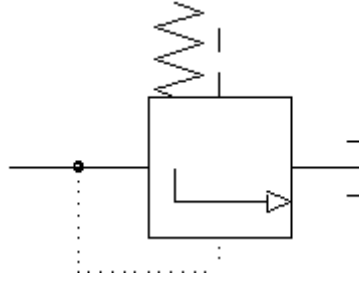
Emniyet Ventili - Hidrolik



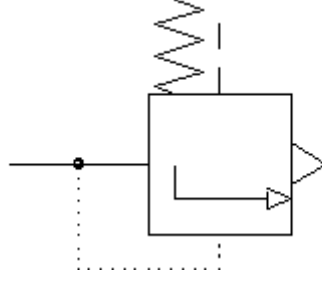
Emniyet valfi - pnömatik



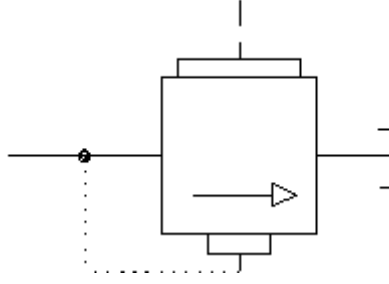
Basınç kontrollü emniyet valfi



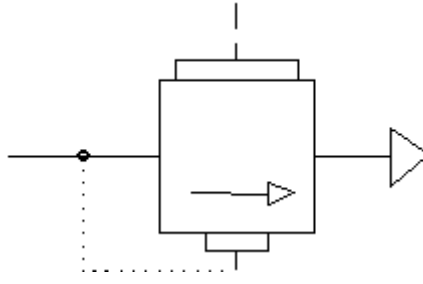
Basınç kontrollü emniyet valfi



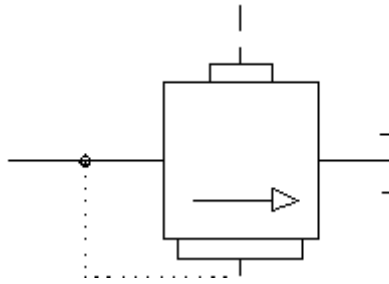
Basınç kontrollü oransal valf



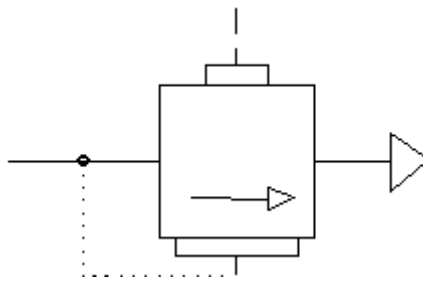
Basınç kontrollü oransal valf



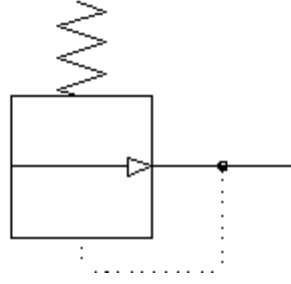
Supap Oransal Basınç Kontrollü



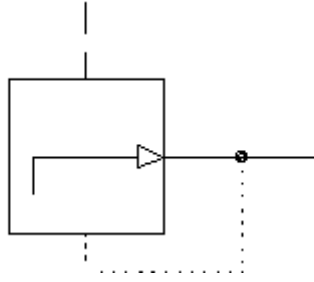
Supap Oransal Basınç Kontrollü



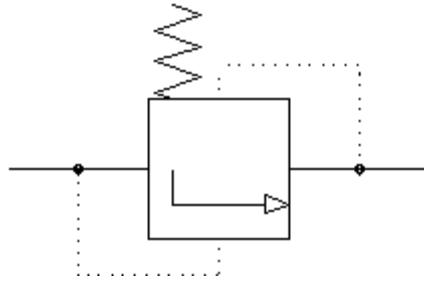
### Basınç Düşürücü Regülatör



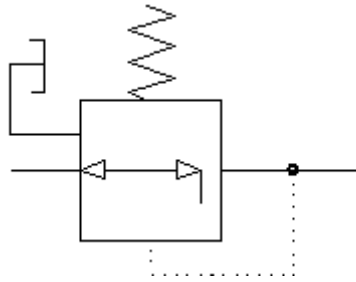
### Basınç Kontrollü Basınç Regülatörü



### Diferansiyel Basınç Regülatörü

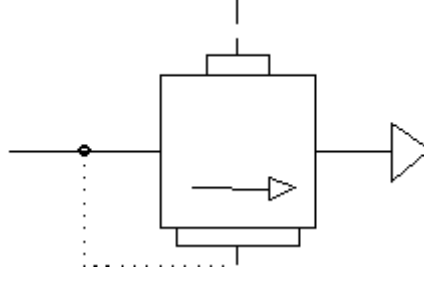


### Basınç düşürücü regülatör (hidrolik)

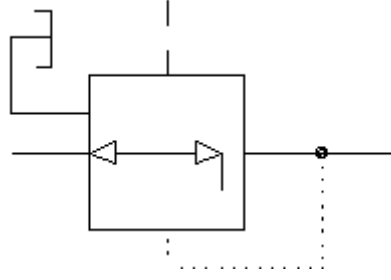


### Basınç düşürücü regülatör (pnömatik)

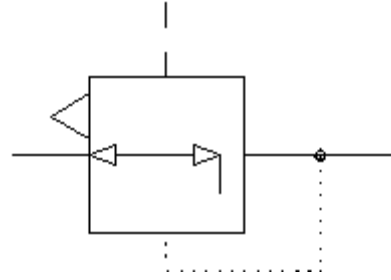




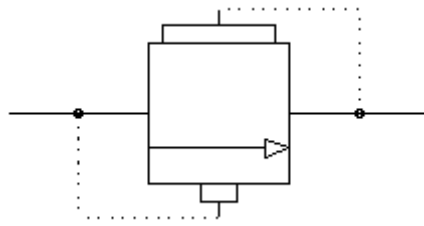
Basınç Kontrollü Basınç Regülatörü (Hidrolik)



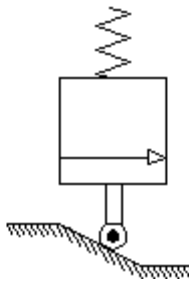
Basınç kontrollü basınç regülatörü (pnömatik)



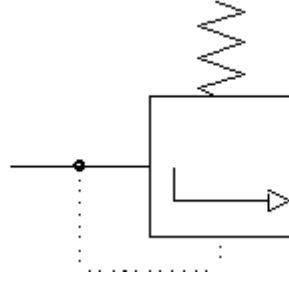
Oransal basınç regülatörü



Gaz kelebeği valfi - mekanik olarak çalıştırılır

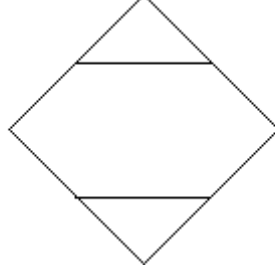


Sıralı Valf

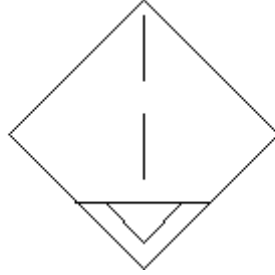


## "Hidrolik" sembol kütüphaneleri: Filtreler, buhar kapanları

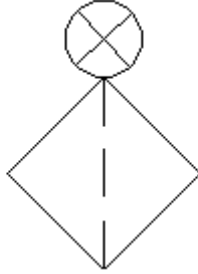
Pnömatik kurutucu



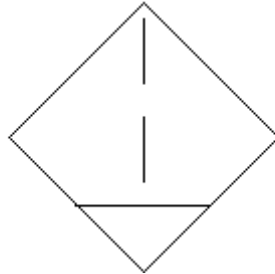
Kendinden tahliyeli hava filtresi



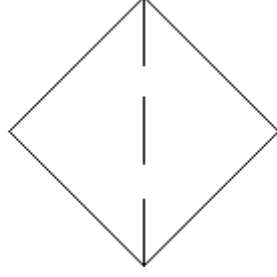
Kirlilik göstergeli filtre



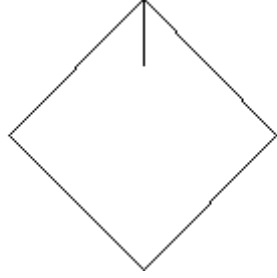
Manuel tahliyeli pnömatik filtre



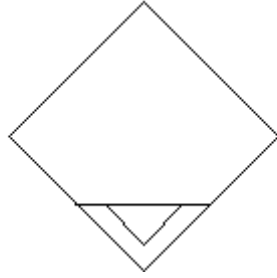
Kafes Filtresi



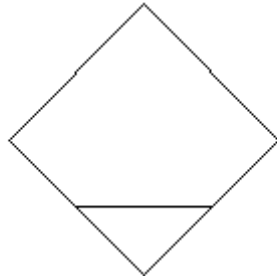
Pnömatik Yağlayıcı



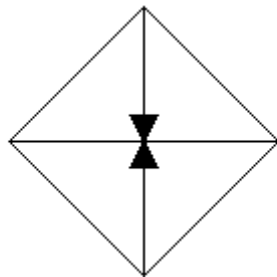
Kendinden tahliyeli pnömatik kurutucu



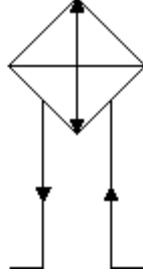
Manuel tahliyeli pnömatik kurutucu



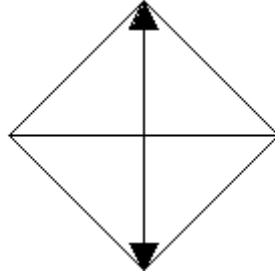
Isıtıcı



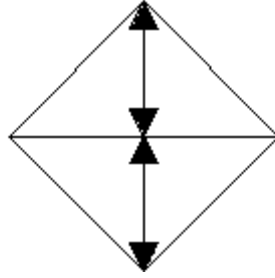
Radyatörlü Soğutucu



Sargısız radyatör Soğutucu



Sıcaklık kontrolörü



## "Hidrolik" sembol kütüphaneleri: Boru tanımları, tanklar

Hareketli pistonlu akümülatör



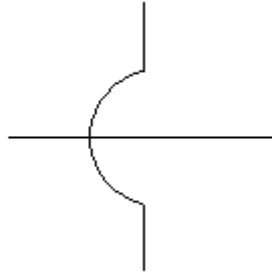
Hidrolik akümülatör



Tel geçişi



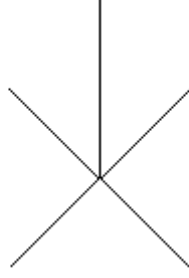
Tel geçişi



Elektrik teli



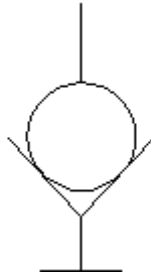
Şube - Kör



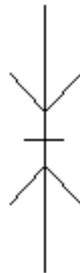
Alıcı kablolu şube



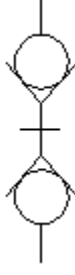
Çek valfli ataşman değıştirici



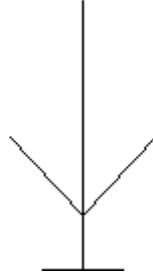
Geri dönüş valfleri olmadan hızlı bağlantı kaplini.



Geri dönüş valfleri ile hızlı bağlantı.



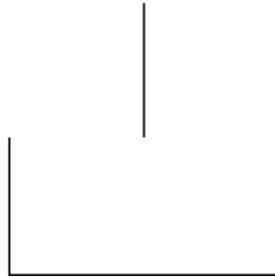
Çek valfsiz konektör



Açık tank

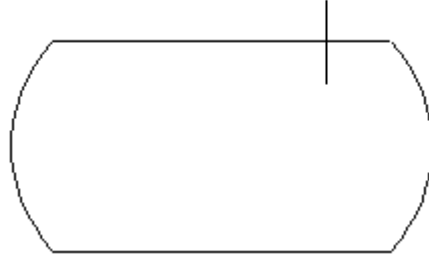


Tankı yukarıdan açın. Sıvı Öğe

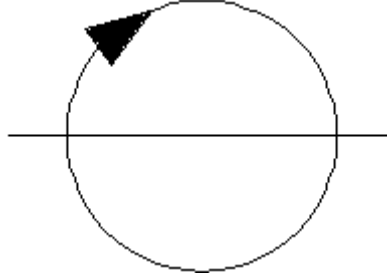


Tank, atmosferik basınçtan daha yüksek bir basınca kapalıdır





Döner konektör - tek telli

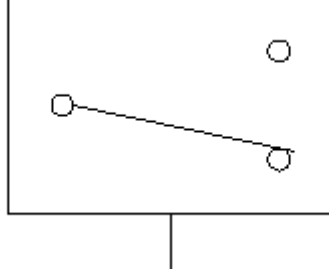


Susturucu - pnömatik

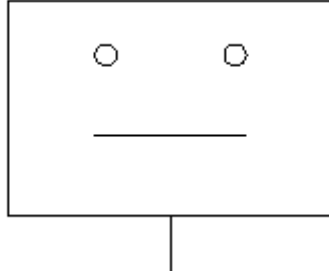


## "Hidrolik" sembol kütüphaneleri: Anahtarlar, ölçüm elemanları

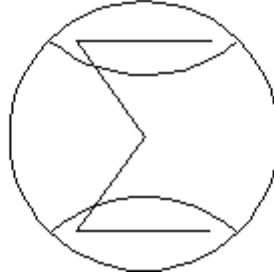
Basınç şalteri



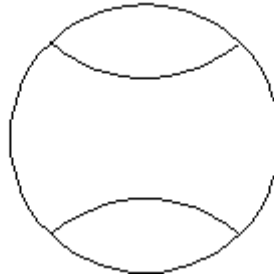
Basınç şalteri



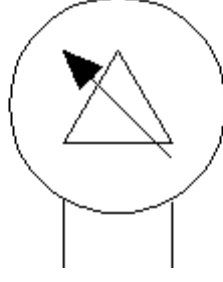
Özetleyici Akış Sayacı



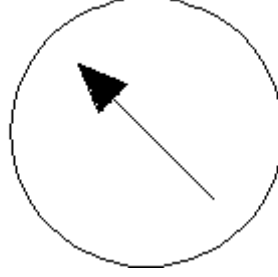
Metresi



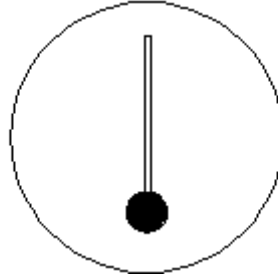
Diferansiyel basınç göstergesi



Manometre

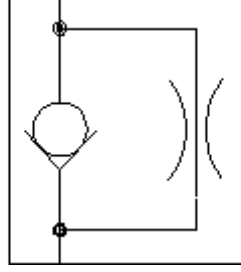


Termometre

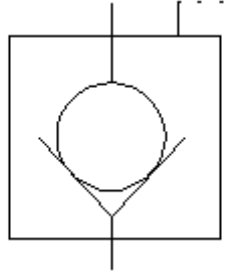


## "Hidrolik" sembol kütüphaneleri: Akış düzenleyiciler, kaynaklar

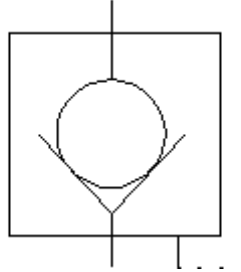
Tek yönlü akış kontrol vanası



Kıç çek valf. Basınçlı kapatma



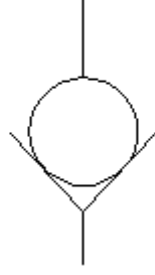
Kıç çek valf. Basınçlı açıklık



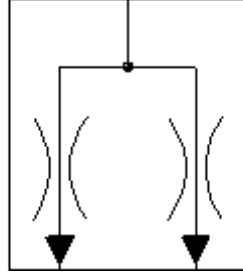
Yüklü çek valf



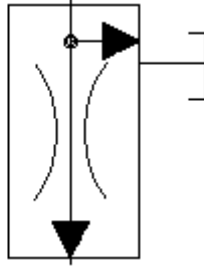
Yüksüz çek valf



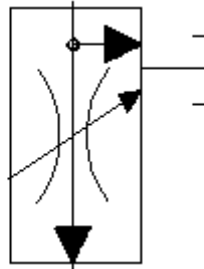
Akış Hızı Senkronizatörü



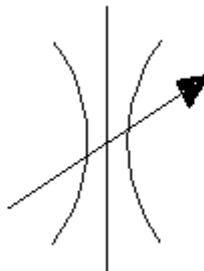
Akış regülatörü - ayarlanabilir



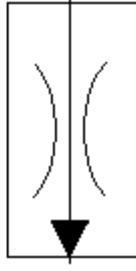
Akış regülatörü - ayarlanabilir



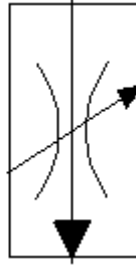
Gaz kelebeği valfi - ayarlanabilir



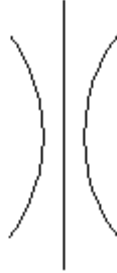
Akış regülatörü - ayarlanamaz



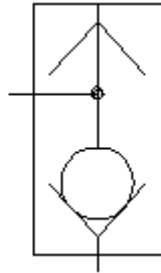
Akış regülatörü - ayarlanabilir



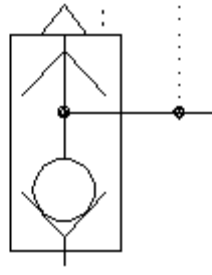
Gaz kelebeği valfi - ayarlanamaz



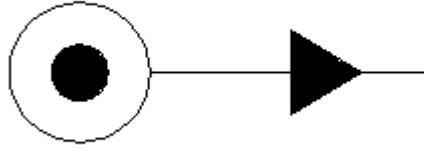
Lojik Valf - Sirkülasyon Anahtarı



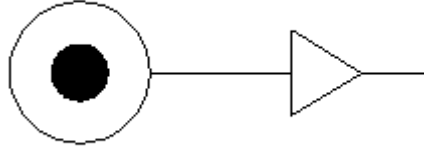
Hızlı tahliye vanası (pnömatik)



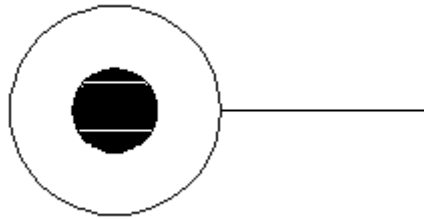
Hidrolik Orta Kaynak



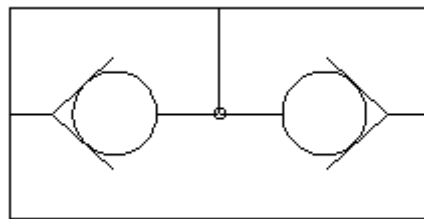
Pnömatik ortam kaynağı



Basınç kaynağı



Bağlantı vanası

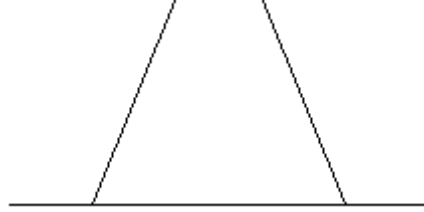




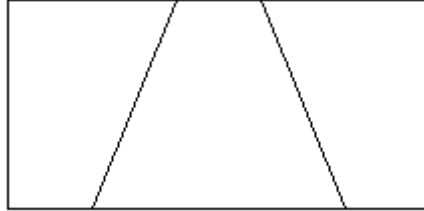


## "Hidrolik" sembol kütüphaneleri: Kontroller, manifoldlar

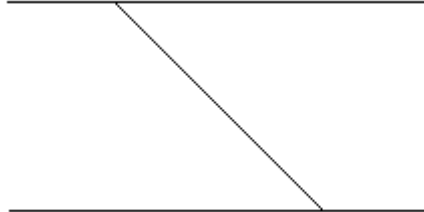
2 bobinli solenoid kontrolü



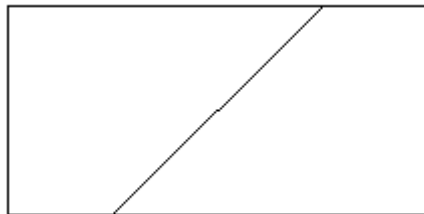
2 bobinli solenoid kontrolü



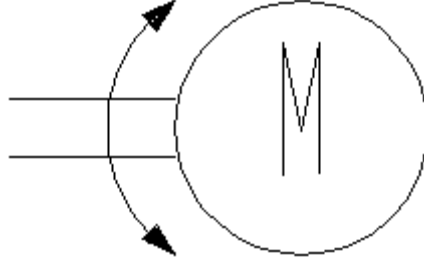
1 bobin solenoid kontrolü



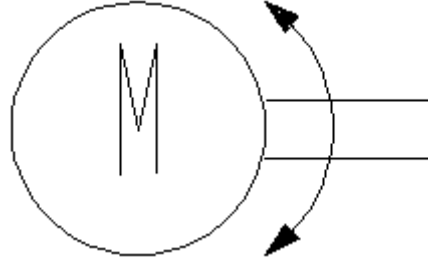
1 bobin solenoid kontrolü



Elektrik motoru kontrolü



Elektrik motoru kontrolü



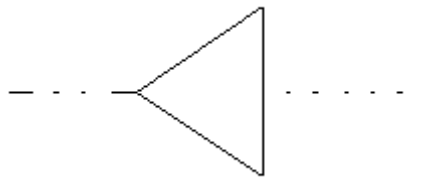
Mekanik Kontrol - Yay



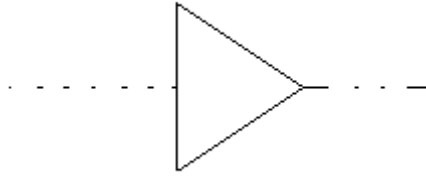
Mekanik Kontrol - Yay



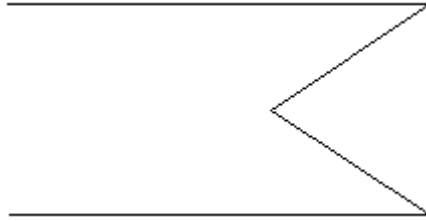
Basınç kontrolü



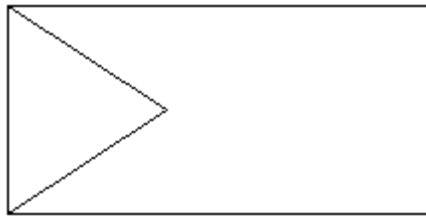
Basınç kontrolü



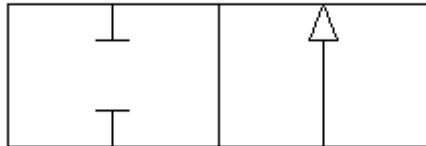
Basınç kontrolü



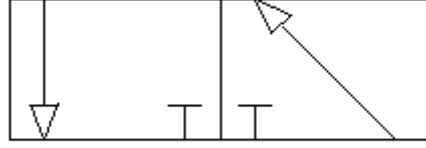
Basınç kontrolü



Splitter - iki yönlü



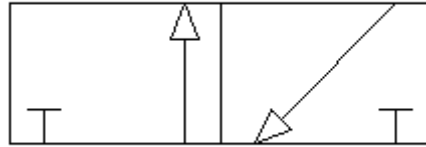
Splitter - iki yönlü



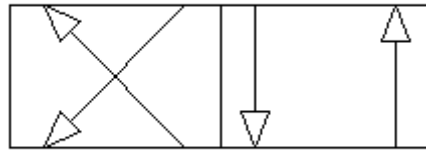
Splitter - iki yönlü



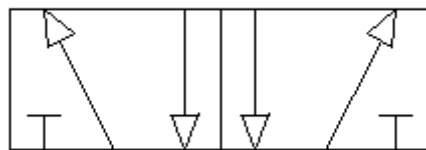
Splitter - iki yönlü



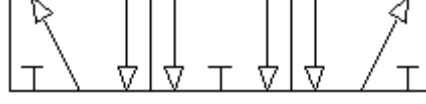
Splitter - iki yönlü



Splitter - iki yönlü



Manifold - üç



Manifold - üç

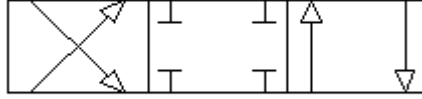


## "Hidrolik" Sembol Kütüphaneleri: Manifoldlar

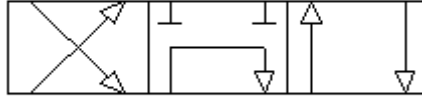
Manifold 4/3



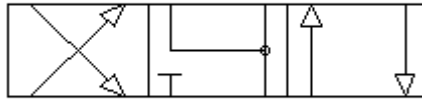
Manifold 4/3



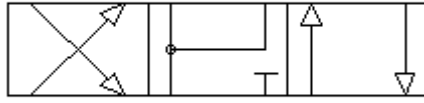
Manifold 4/3



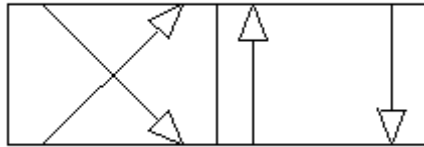
Manifold 4/3



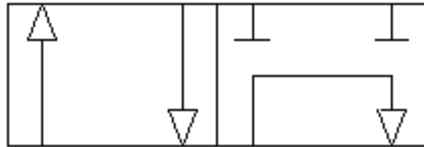
Manifold 4/3



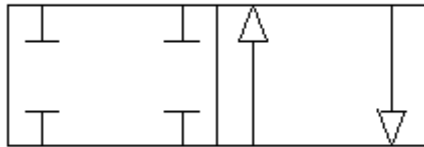
Manifold 4/2



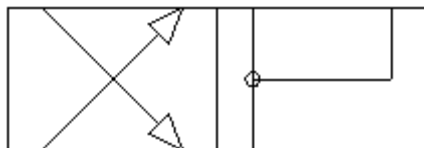
Manifold 4/2



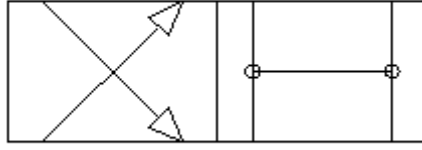
Manifold 4/2



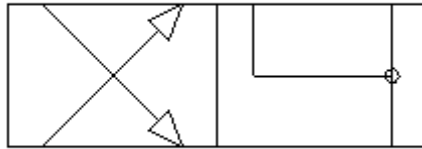
Manifold 4/2



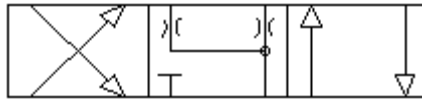
Manifold 4/2



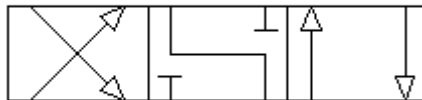
Manifold 4/2



Manifold 4/3



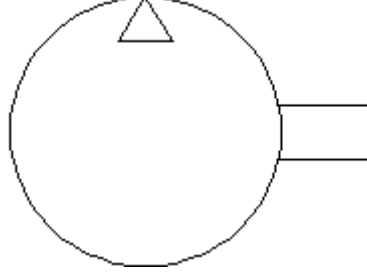
Manifold 4/3



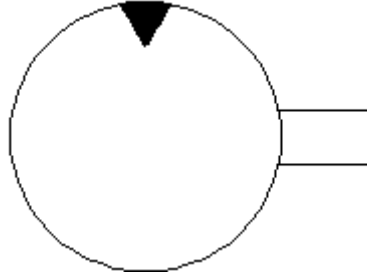


## "Hidrolik" sembol kütüphaneleri: Motorlar, pompalar

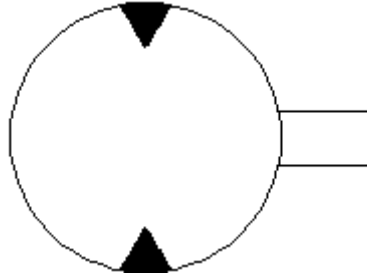
Kompresör



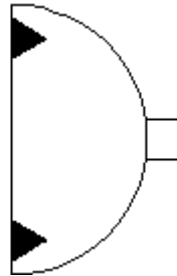
Tek akışlı hidrolik motor



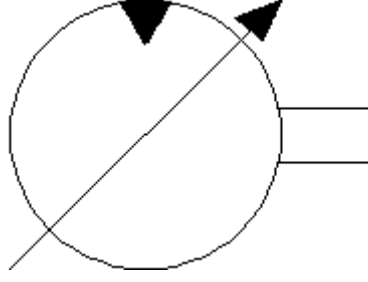
İki akış yönüne sahip hidrolik motor



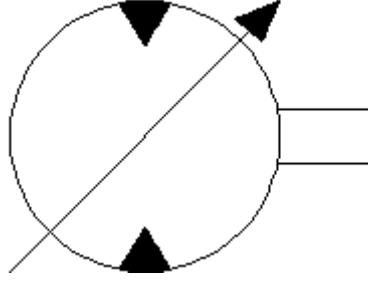
Hidrolik Motor



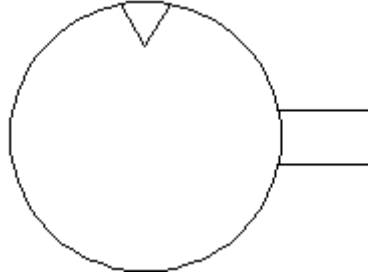
Tek akışlı hidrolik motor



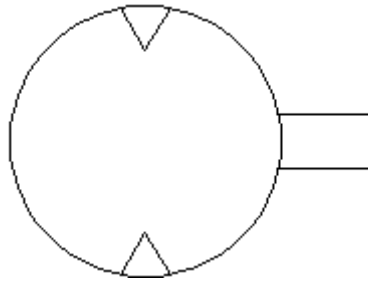
İki akış yönüne sahip hidrolik motor



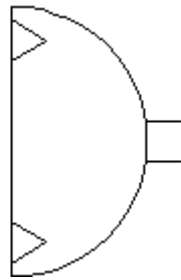
Tek akışlı hava motoru



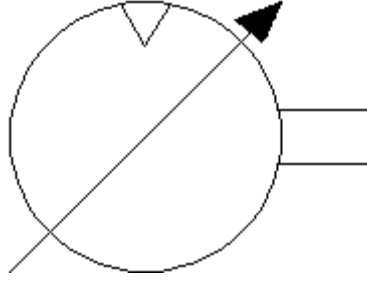
İki yönlü hava motoru



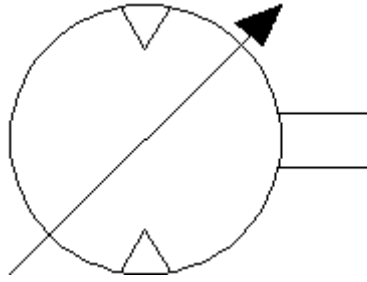
Hava Motoru



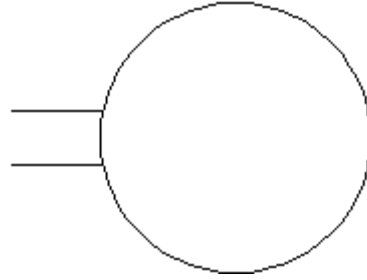
Tek akışlı hava motoru



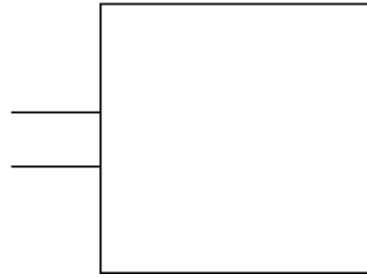
İki yönlü hava motoru



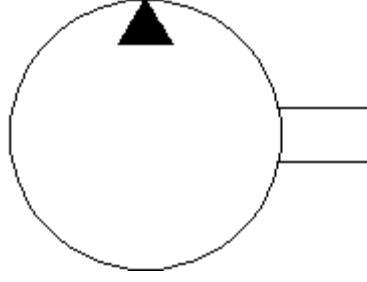
Elektrik motoru



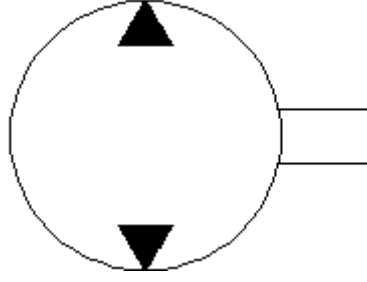
Isı Motoru



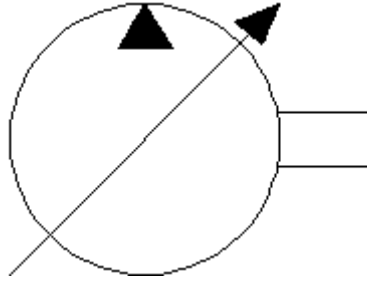
Tek yönlü hidrolik pompa



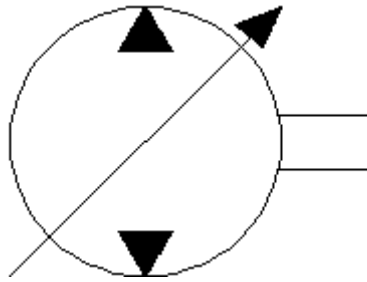
İki basma yönüne sahip hidrolik pompa



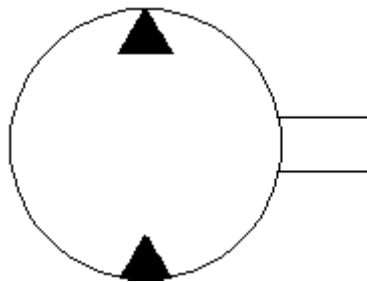
Tek yönlü hidrolik pompa



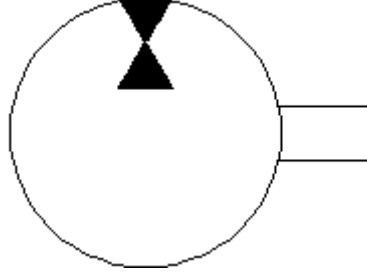
İki basma yönüne sahip hidrolik pompa



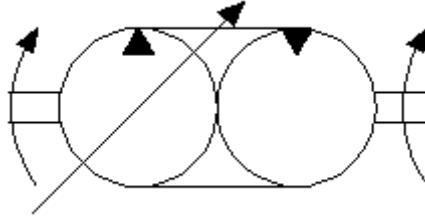
Pompa - Tek Akış Yönlü Motor



Pompa - zıt akış yönlerine sahip motor

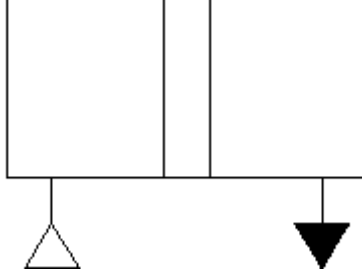


Hidrolik Şanzıman

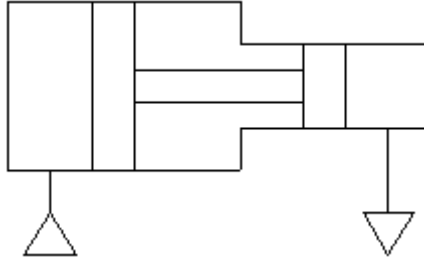


## "Hidrolik" sembol kütüphaneleri: Aktüatörler

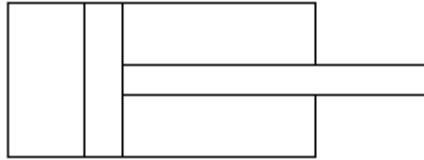
Pnömatik-hidrolik invertör



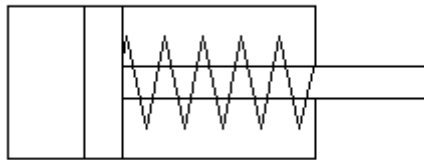
Pnömatik Amplifikatör



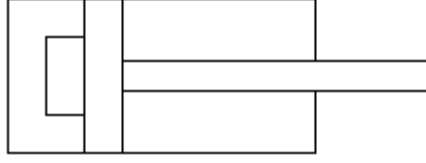
Pistonlu Pnömatik Aktüatör



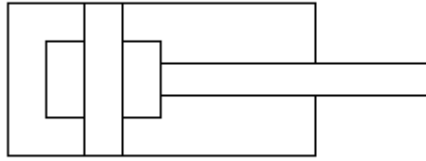
Yay kontrollü pistonlu pnömatik aktüatör



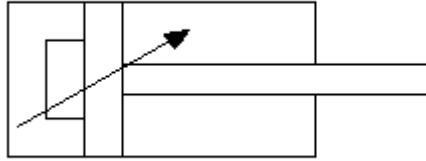
Şok Emici Pistonlu Pnömatik Aktüatör



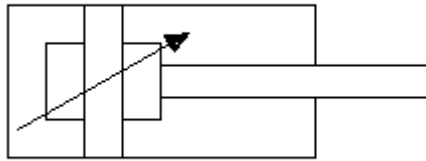
Çift taraflı şok emici pnömatik pistonlu silindir



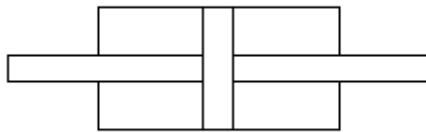
Ayarlanabilir şok emilimine sahip pistonlu pnömatik silindir



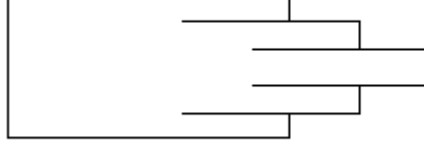
Çift taraflı ayarlanabilir sönümlmeli pnömatik piston silindiri



Çift pistonlu pnömatik silindir



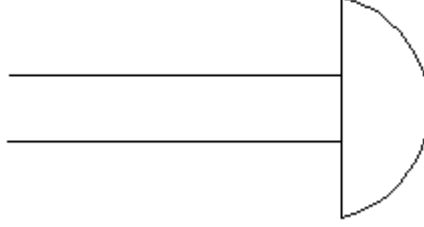
## Teleskopik pnömatik silindir



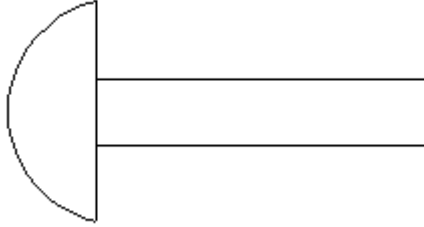


## "Hidrolik" Sembol Kütüphaneleri: Kontroller

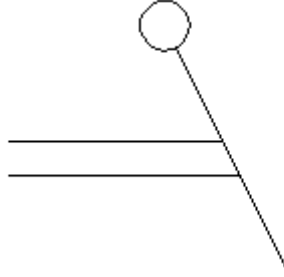
Düğme kontrolü



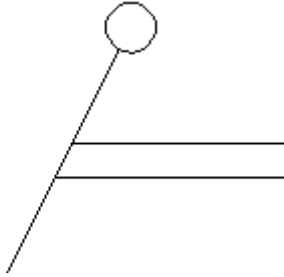
Düğme kontrolü



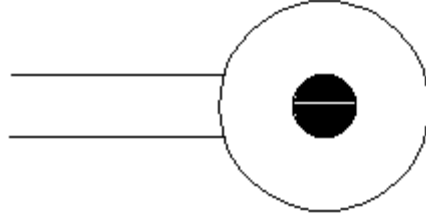
Kol kontrolü



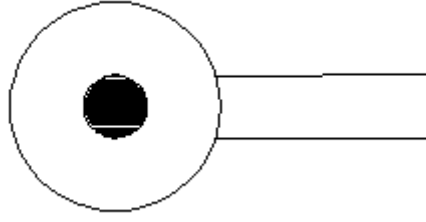
Kol kontrolü



Mekanik kontrol - silindir



Mekanik kontrol - silindir



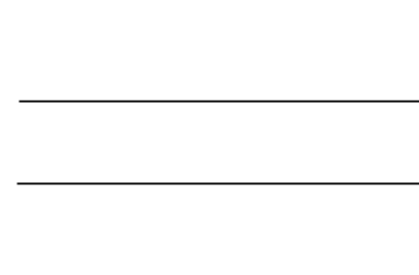
Mekanik kontrol - itici



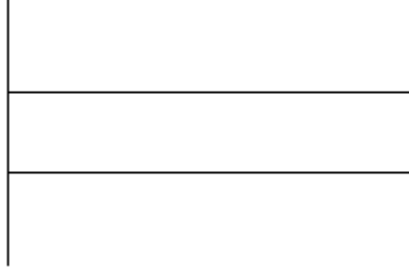
Mekanik kontrol - itici



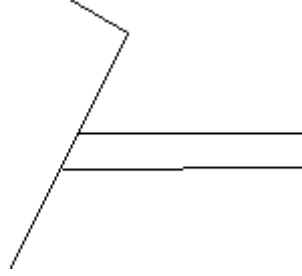
Manuel kontrol



Manuel kontrol



Pedal kontrolü



## Sembol kütüphaneleri "JIC standardı": Girişler, adres çıkışları

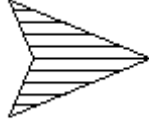
Soldan sağa adres girişi



Üstten adres girişi



Sağdaki adres çıkışı



Adres çıkışı aşağı

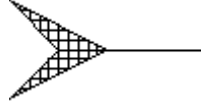


## Sembol kütüphaneleri "JIC Standardı": Pnömatik aksesuarlar

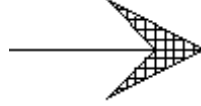
Tank



Giriş oku



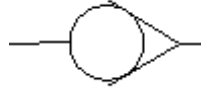
Çıkış oku



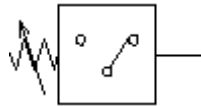
Manometre



Basınç Düşürücü Valf



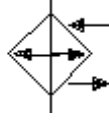
Basınç şalteri



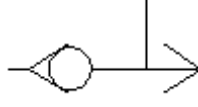
Isıtıcı



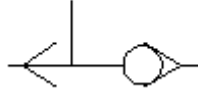
Radyatör



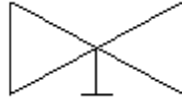
Devre Anahtarı



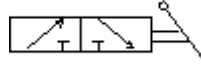
Devre Anahtarı



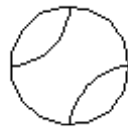
Supap



Yön deęiřtirme valfi

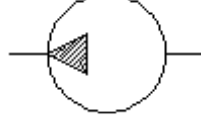


Dört vana

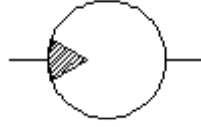


## Sembol kütüphaneleri "JIC standardı": Pnömatik aparat

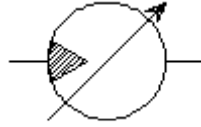
Kompresör



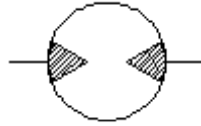
Hava Motoru



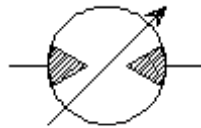
Ayarlanabilir Hava Motoru



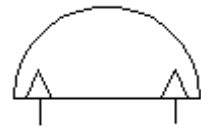
Çift yönlü hava motoru



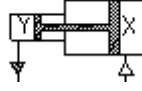
İki yönlü ayarlanabilir hava motoru



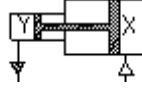
Pistonlu motor



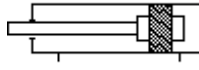
Basınç yoğunlaştırıcı



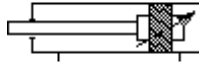
Basınç yoğunlaştırıcı



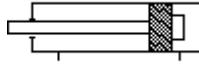
Çift taraflı süspansiyon silindiri



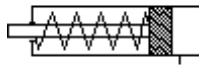
Çift taraflı ayarlanabilir süspansiyon silindiri



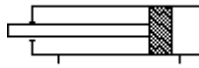
Süspansiyon silindiri



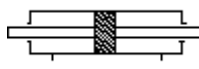
Ayarlanabilir süspansiyon silindiri



Çift silindirli

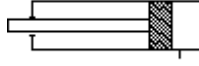


Konum göstergeli çift silindir

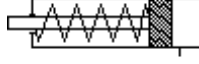


Aktüatör

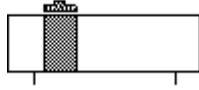




Yaylı geri dönüş aktüatörü



Konum göstergeli aktüatör



Teleskopik silindir

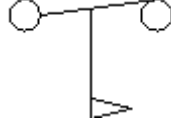


Teleskopik silindir



## Sembol kütüphaneleri "JIC standardı": Sensörler

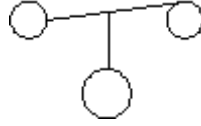
N/C akış sensörü



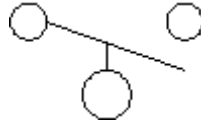
Akış sensörü YOK



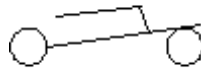
N/C kontaklı seviye sensörü



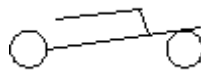
Seviye sensörü YOK



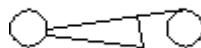
Pedalla çalışan NC kontağı



Pedalla kontrol edilen kontak YOK



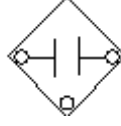
N/C kontaklı trafik sensörü



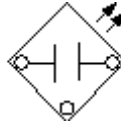
Yol sensörü YOK



Fotoşel



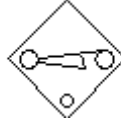
Fototransmitter



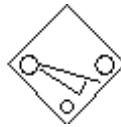
Fotoelektrik Sensör



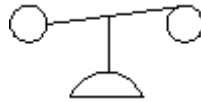
N/C kontaklı yakınlık sensörü



Temassız yakınlık sensörü



N/C kontaklı basınç sensörü



Temassız basınç sensörü



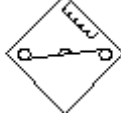
Normalde kapalı kamış sensörü

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GROUP

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**etap**<sup>®</sup>

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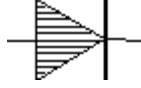


## Sembol kitaplıkları "JIC standardı": Diyotlar

LED (yukarı)



LED (sağ)



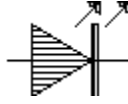
LED (aşağı)



LED (sol)



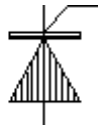
Fotodiyot (sağda)



Fotodiyot (yukarı)



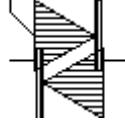
Tristör (yukarı)



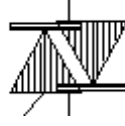
Tristör (sağda)



Simetrik triyot tristör



Simetrik triyot tristör



## Sembol kütüphaneleri "JIC Standardı": Algoritma unsurları

2 İma ile geçişler



3 İma ile geçişler



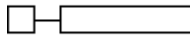
4 İma ile Geçişler



Safha



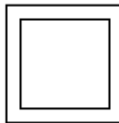
Aksiyonlu sahne



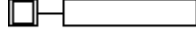
Kaynak



İlk aşama



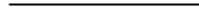
Eylemli ilk aşama



2 Alternatifli Geçiřler



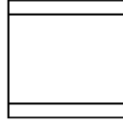
3 Alternatifli Geçiřler



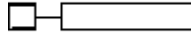
4 Alternatifli Geçiřler



Görev



Ařamalı görev



İçine



Geçiř

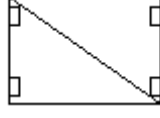






## Sembol kitaplıkları "JIC standardı": Diğer

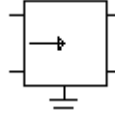
Güç kaynağı



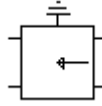
Pay



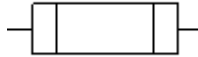
Filtre



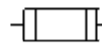
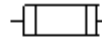
Filtre



Sigorta 1 kontrol kutusu



Sigorta 2 kontrol kutusu



Doğrultucu



## Sembol kitaplıkları "JIC Standardı": Power 1P

Güç kontağı



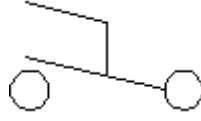
Şalter



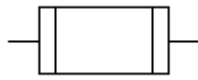
Manyetik Devre Kesici + Toprak



Izolatör



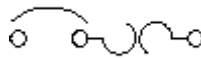
Güç sigortası



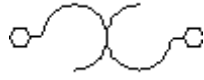
Endüktans



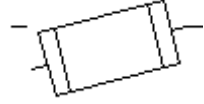
Manyeto-termal devre kesici



Termal röle

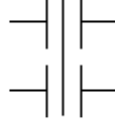


Sigorta anahtarı

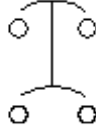


## Sembol kitaplıkları "JIC Standardı": Power 2P

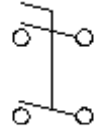
Güç kontağı



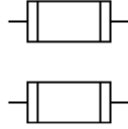
Şalter



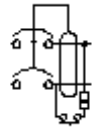
Izolatör



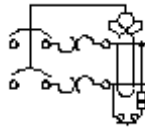
Güç sigortası



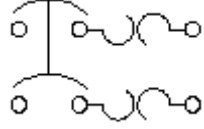
Kaçak akım devre kesici



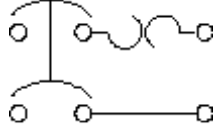
Diferansiyel manyeto-thermal devre kesici



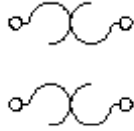
2P Manyeto-Termal Devre Kesici



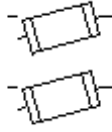
Manyeto-termal devre kesici 1P+N



Termal röle

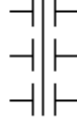


Sigorta anahtarı

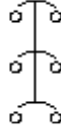


## Sembol kitaplıkları "JIC Standardı": 3P Güç

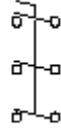
Güç kontağı



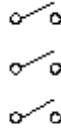
Şalter



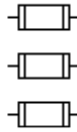
3P bağlantı kesme anahtarı



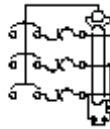
3P bağlantı kesme anahtarı



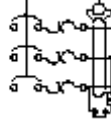
Güç sigortası



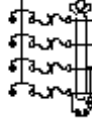
Kaçak akım devre kesici



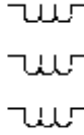
Diferansiyel manyeto-termal devre kesici



Diferansiyel manyeto-termal devre kesici



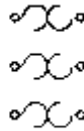
Endüktans



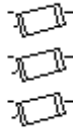
3P Manyeto-Termal Devre Kesici



Termal röle



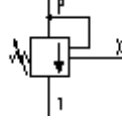
Sigorta anahtarı



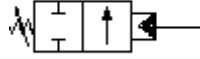


## Sembol kütüphaneleri "JIC standardı": Basınç sınırlayıcılar, akış sınırlayıcılar

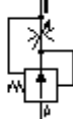
Şalter



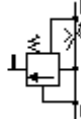
Kapatma fonksiyonlu kapatma anahtarı



Akış regülatörü 2 bağlantı



Akış regülatörü 3 bağlantı



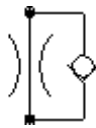
Venturi



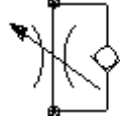
Ayarlanabilir venturi



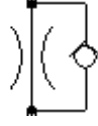
Akı regülatörü



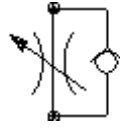
Ayarlanabilir jet regülatörü



Akı regülatörü



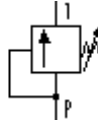
Ayarlanabilir jet regülatörü



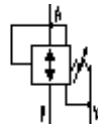
Basınç Regülatörü



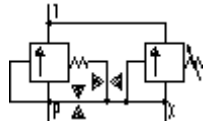
Basınç sınırlayıcı



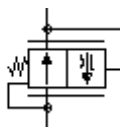
Basınç Regülatörü



Basınç sınırlayıcı

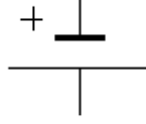


Regülatörü

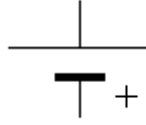


## Sembol kütüphaneleri "JIC Standardı": Enstrümantasyon

Güç



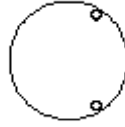
Güç



Ampermetre



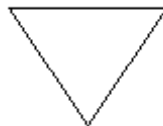
Ampermetre



Op-amp



Mantıksal hücre



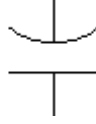
Mantıksal hücre



Mantıksal hücre



Kondansatör



İndüksiyon elemanı



Potansiyometre



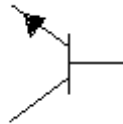
Direnç



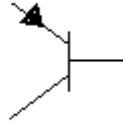
Potansiyometre



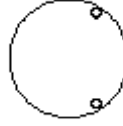
NPN Transistör



PNP Transistör



Ölçer

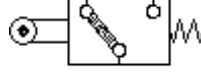


Voltmetre

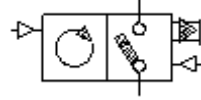


## Sembol kitaplıkları "JIC standardı": Bölücüler

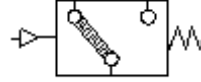
Yol Sensörü



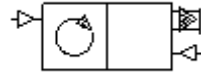
Ön seçim sayacı



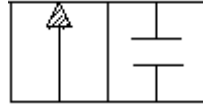
Pnömatik-elektrik konvertörü



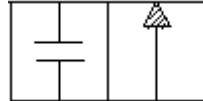
Özetleyici sayaç



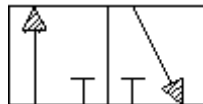
Bölücü 2/2



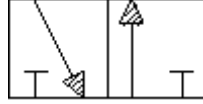
Bölücü 2/2



Manifold 3/2



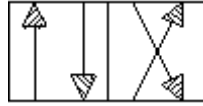
Manifold 3/2



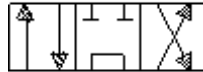
Manifold 3/3



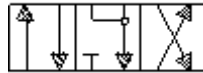
Manifold 4/2



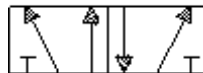
Manifold 4/3



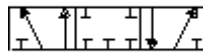
Manifold 4/3



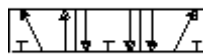
5/2 manifold



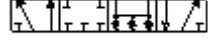
Bölücü 5/3



Bölücü 5/3



5/4 manifold



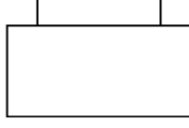
Yakınlık sensörü



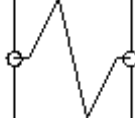


## Sembol kütüphaneleri "JIC standardı": Motorlar, alıcılar

Rezistanslı Isıtıcı



Fren 2 bağlantıları



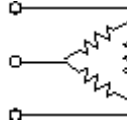
Fren 3 bağlantı



Jeneratör



Üç fazlı ısıtma elemanı



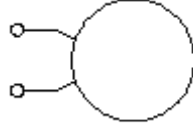
DC Motor



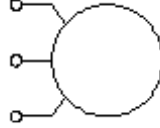
DC Motor



AC motor iki bağlantı



AC motor üç bağlantı

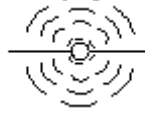


AC motor, altı bağlantı

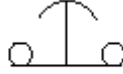


## Sembol kütüphaneleri "JIC Standardı": Kontrol

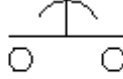
Sesli Alarm



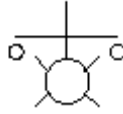
Kontakları olan mantar düğmesi. Normal



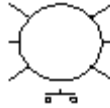
Temassız mantar düğmesi



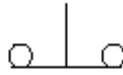
Temassız basma düğmesi, ışıklı



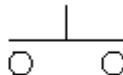
Düğme ışığı



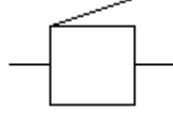
N/C kontaklı basma düğmesi



HAYIR düğmesi



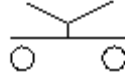
Sesli uyarı (buzzer)



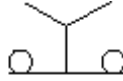
Döner faz göstergesi



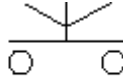
ZZ İki Konumlu Anahtar



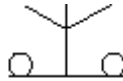
ZR iki konumlu anahtar



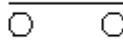
ZZ üç konumlu anahtar



ZR üç konumlu anahtar



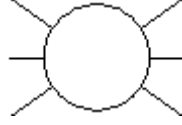
Anahtarın kontağı YOK



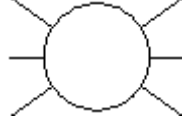
N/C anahtar kontağı



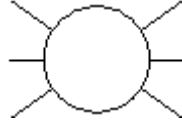
Yeşil Lamba



Kırmızı Lamba

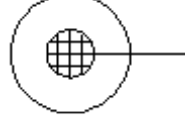


Sarı Lamba

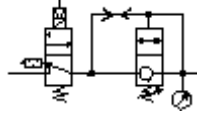


## Sembol kütüphaneleri "JIC Standardı": Pnömatik kontrol

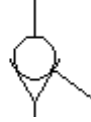
Basınç kaynağı



Progresif Basınç Regülatörü



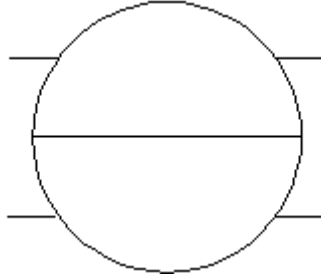
Basınç kontrollü çek valf



Supap



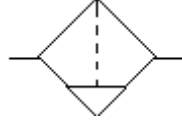
Çift basınç kontrollü çek valf



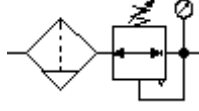
Supap



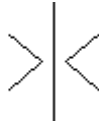
Filtre



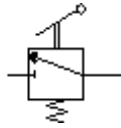
Filtre regülatörü



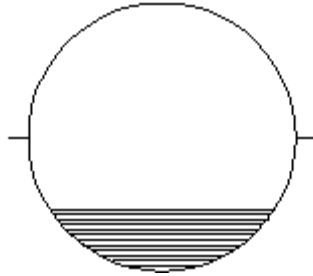
Filtre-regülatör-yağlayıcı



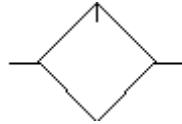
Venturi



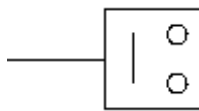
Pnömatik izolatör anahtarı



Yağlayıcı



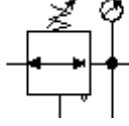
Basınç şalteri



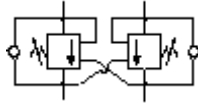
Basınç şalteri



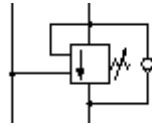
Basınç Regülatörü



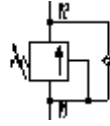
Çift Yüklü Vana



Tek Yüklü Vana



Sıralı Valf



Susturucu



Susturucu





## Sembol kütüphaneleri "JIC standardı": Manifold kontrolü

Sağ Pnömatik Kontrol



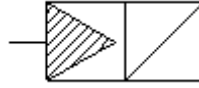
Pnömatik kontrol sol



Pnömatik ve Bobin Kontrolü Sağ



Pnömatik ve Bobin Kontrolü Sol



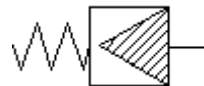
Yay kontrolü hakkı



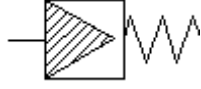
Yay kontrolü sol



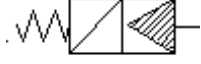
Dümen. Yaylı ve pnömatik sağ



Dümen. Yaylı ve pnömatik sol



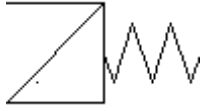
Dümen. Pnömatik Helezon Yay Sağ



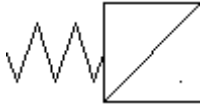
Dümen. Pnömatik Helezon Yay Sol



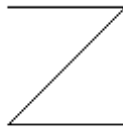
Dümen. yay ve bobin sağ



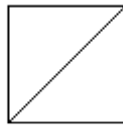
Dümen. yay ve bobin sol



Bobin Kontrolü Sağ

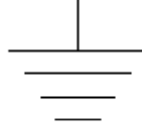


Bobin Kontrolü Sol

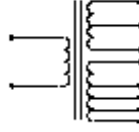


## Sembol kütüphaneleri "JIC standardı": Transformatörler

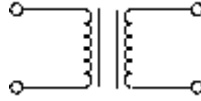
Zemin



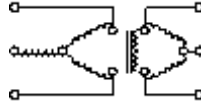
Trafo



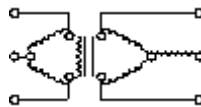
Tek Fazlı Transformatör



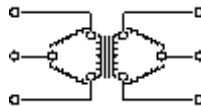
Üç fazlı yıldız-üçgen transformatör



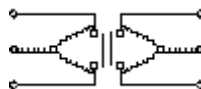
Üç fazlı üçgen yıldız transformatör



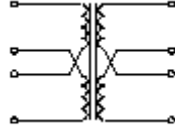
Üç fazlı üçgen-üçgen transformatör



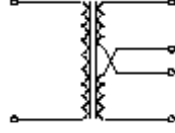
Üç fazlı yıldızdan yıldız transformatör



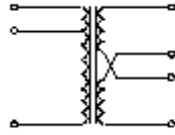
2X2 Transformatör



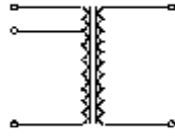
2X4 Trafo



3X4 Trafo

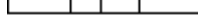


3X2 Trafo

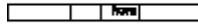


## Sembol kütüphaneleri "JIC Standardı": Fiziksel terminaller (yatay)

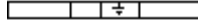
Şerit kelepçe



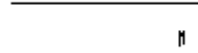
Şerit kelepçe - Rezerv



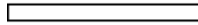
Çıta Kelepçesi - Toprak



Kablo



Süpürgelik tahtasının açıklaması



Köprü



## Sembol kütüphaneleri "JIC standardı": DIN Fiziksel Terminaller

Şerit kelepçe - kontrol



Diyotlu şerit terminali



Diyotlu şerit terminali



Sigortalı şerit terminali



Şerit terminalini ayırın



Şerit Kelepçe - Güç



Şerit kelepçe - Rezerv



Çıta Kelepçesi - Toprak



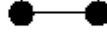
Kablo

Symbol nie  
posiada  
grafiki

Süpürgelik tahtasının açıklaması



Köprü



## Sembol kütüphaneleri "JIC Standardı": Fiziksel güç terminalleri

Güç Şeridi Kelepçesi



Güç Şeridi Kelepçesi



Güç Şeridi Kelepçesi



Güç Şeridi Kelepçesi



Güç Şeridi Kelepçesi



Güç Şeridi Kelepçesi



Güç Şeridi Kelepçesi



Güç Şeridi Kelepçesi





Kablo



Kablo



Kablo



Kablo



Şerit kelepçe kontrolü



Güç Şeridi Kelepçesi



Şerit kelepçe - Rezerv



Çıta Kelepçesi - Toprak



Köprü



## "JIC Standardı" Sembol Kütüphaneleri: Güç Fiziği Terminalleri

Güç Şeridi Kelepçesi



Güç Şeridi Kelepçesi



Güç Şeridi Kelepçesi



Güç Şeridi Kelepçesi



Güç Şeridi Kelepçesi



Güç Şeridi Kelepçesi



Güç Şeridi Kelepçesi



Güç Şeridi Kelepçesi



Kablo



Kablo



Kablo



Kablo



Şerit kelepçe kontrolü



Güç Şeridi Kelepçesi



Şerit kelepçe - Rezerv



Çıta Kelepçesi - Toprak



Köprü



## "JIC Standardı" Sembol Kütüphaneleri: Fiziksel Terminalleri Kontrol Edin

Şerit kelepçe kontrolü



Şerit kelepçe kontrolü



Şerit kelepçe kontrolü



Şerit kelepçe kontrolü



Şerit kelepçe kontrolü



Şerit kelepçe kontrolü



Şerit kelepçe kontrolü



Şerit kelepçe kontrolü



Şerit kelepçe kontrolü



Şerit kelepçe kontrolü



Şerit kelepçe kontrolü



Şerit kelepçe kontrolü



Diyotlu şerit terminali - kontrol



Diyotlu şerit terminali - kontrol



Dümen sigortalı terminal şeridi.



Ayırıcılı şerit kelepçe - kontrol



Dirençli řerit terminali - kontrol



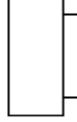
řerit kelepçe - Rezerv



Çıta Kelepçesi - Toprak



Süpürgelik tahtasının açıklaması





## "JIC Standardı" Sembol Kütüphaneleri: Fiziksel Terminalleri Kontrol Edin

Şerit kelepçe kontrolü



Şerit kelepçe kontrolü



Şerit kelepçe kontrolü



Şerit kelepçe kontrolü



Şerit kelepçe kontrolü



Şerit kelepçe kontrolü



Şerit kelepçe kontrolü



Şerit kelepçe kontrolü



Şerit kelepçe kontrolü



Şerit kelepçe kontrolü



Şerit kelepçe kontrolü



Şerit kelepçe kontrolü



Diyotlu şerit terminali - kontrol



Diyotlu şerit terminali - kontrol



Sigortalı Şerit Kelepçe - Kontrol



Ayırıcılı şerit kelepçe - kontrol



Dirençli şerit terminali - kontrol



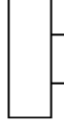
Şerit kelepçe - Rezerv



Çıta Kelepçesi - Toprak



Süpürgelik tahtasının açıklaması



## Sembol kütüphaneleri "JIC Standardı": Güç lojik terminalleri

Kelepçe



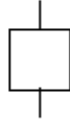
Kelepçe



Kelepçe



Kelepçe



Kelepçe



Kelepçe



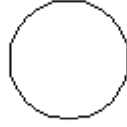
Kelepçe



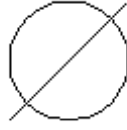
Kelepçe



Kelepçe



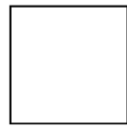
Kelepçe



Kelepçe



Kelepçe



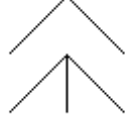
Kelepçe



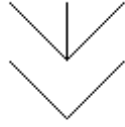
Kelepçe



Kelepçe



Kelepçe



## Sembol kütüphaneleri "JIC standardı": Kontrol lojik terminalleri

Kelepçe



Kelepçe



Kelepçe



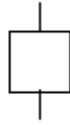
Kelepçe



Kelepçe



Kelepçe



Kelepçe



Kelepçe



Kelepçe



Kelepçe



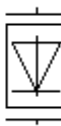
Kelepçe



Kelepçe



Diyot terminali



Diyot terminali





Sigortalı terminal



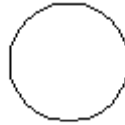
Bağlantı kesme ile kelepçe



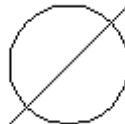
Dirençli terminal



Kelepçe



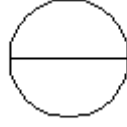
Kelepçe



Kelepçe



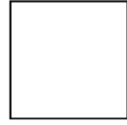
Kelepçe



Kelepçe



Kelepçe



Kelepçe



Kelepçe



Kelepçe



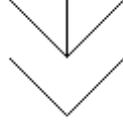
Kelepçe



Kelepçe



Kelepçe



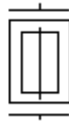
Diyot terminali



Diyot terminali



Sigortalı terminal



Bağlantı kesme ile kelepçe



Dirençli terminal

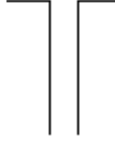


## Sembol kütüphaneleri "Telekomünikasyon - Semboller": Antenler

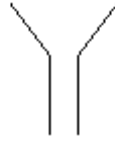
Anten - genel sembol



Simetrik dipol



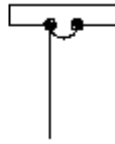
Dipol V



Simetrik döngü dipol



Balunlu simetrik döngü dipol



Tek kutuplu çubuk anten



Korna anteni



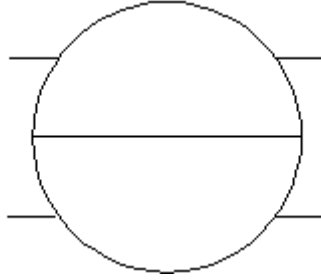
Parabolik anten



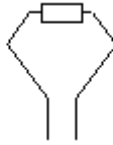
Boynuz-parabolik anten



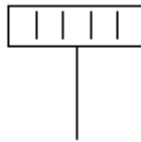
Çerçeve Anten



Eşkenar dörtgen anten



Çapraz yarık anten



Boyuna yarık anten

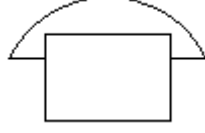


Ferrit anten

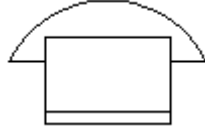


## Sembol kütüphaneleri "Telekomünikasyon - Semboller": Telefonlar

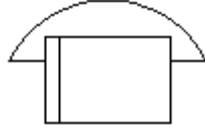
Yakışıklı



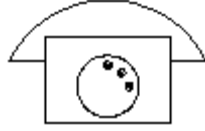
Masaüstü Telefon Kamerası



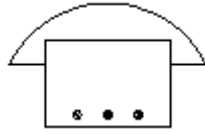
Duvara monte telefon



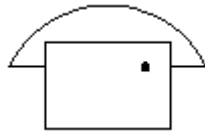
Çevirmeli telefon



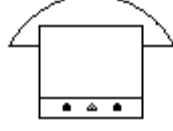
Tuş takımlı ahize



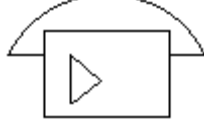
Konnektörlü telefon



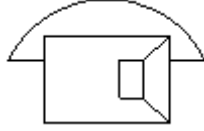
İki veya daha fazla bağlantısı olan bir telefon



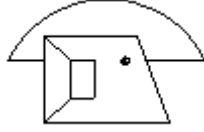
Amplifikatörlü telefon



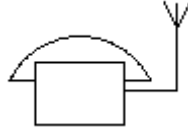
Hoparlörlü Telefon



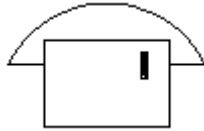
Kapı Hoparlörlü Telefon Aparatı



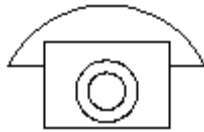
Telefon - iki yönlü telsiz



Tahsilat telefonu

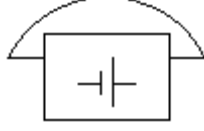


Telefon. merkezi batarya



Yerel Pillerli Telefon Kamerası



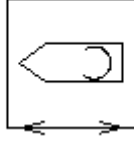


## Sembol kütüphaneleri "Teleteknik - Semboller": Okumayı kaydeden cihazlar

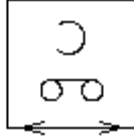
Teyp



Teyp



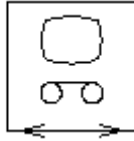
Teyp



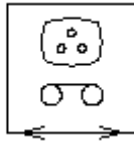
Davul teyp kaydedici



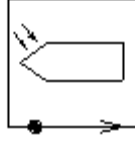
Video kaset kaydedici



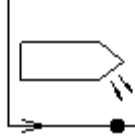
Video Kaydedici (Renkli)



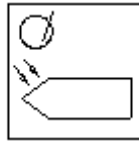
Optik Okuma Kamerası



Optik Kayıt Kamerası



Optik Okuma Kamerası

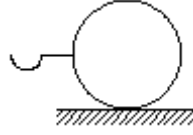


## Sembol kütüphaneleri "Telekomünikasyon - Semboller": Telefonlar - planlar için semboller

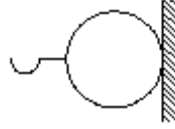
Yakışıklı



Masaüstü Telefon Kamerası



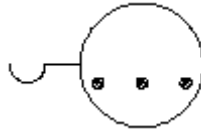
Duvara monte telefon



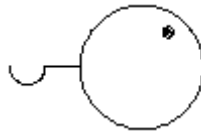
Çevirmeli telefon



Tuş takımlı ahize



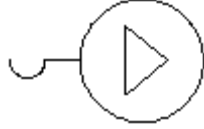
Konnektörlü telefon



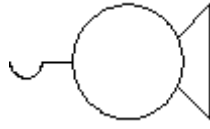
İki veya daha fazla bağlantısı olan bir telefon



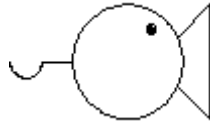
Amplifikatörlü telefon



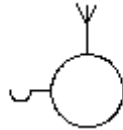
Hoparlörlü Telefon



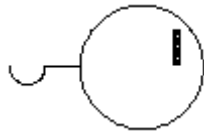
Kapı Hoparlörlü Telefon Aparatı



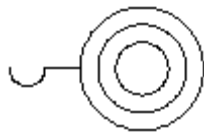
Telefon - iki yönlü telsiz



Tahsilat telefonu



Telefon merkezi bataryası

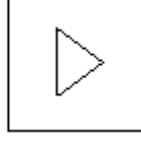


Yerel Pilli Telefon Kamerası

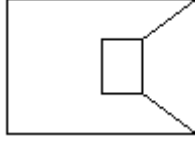


## Sembol kütüphaneleri "Teleteknik - Semboller": Ses, Video Cihazları

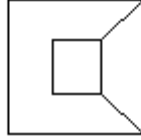
Yükselteç



Radyo



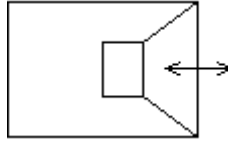
Hoparlör Ünitesi



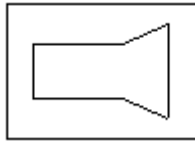
Sevk noktası



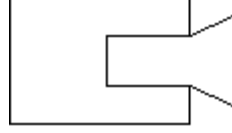
Interkom



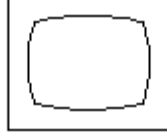
TV Alıcısı



TV Kamerası



Televizyon



Renkli TV



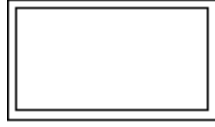


## Sembol kütüphaneleri "Teleteknik - Semboller": Telekomünikasyon panoları ve panoları

1 aşamalı kontrol paneli



2 aşamalı kontrol paneli



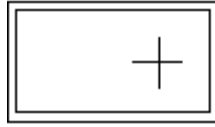
3 aşamalı kontrol paneli



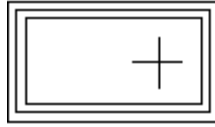
1 kademeli otomatik kontrol ünitesi



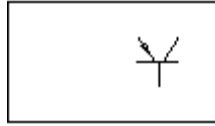
2 kademeli otomatik kontrol ünitesi



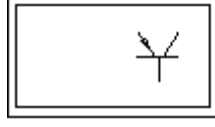
3 kademeli otomatik kontrol ünitesi



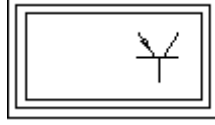
1 kademeli elektronik kontrol paneli



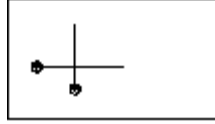
2 kademeli elektronik kontrol paneli



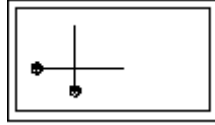
3 aşamalı elektronik kontrol paneli



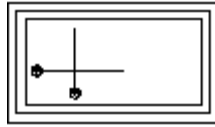
Santral otomatı. 1. derece çapraz



Santral otomatı. 2. derece sakral



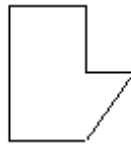
Santral otomatı. 3. derece sakral



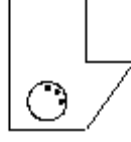
EI tipi kontrol ünitesi



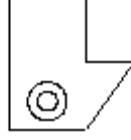
Manuel telekomünikasyon anahtarı



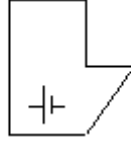
Telef. Aracı (tavsiye)



Telef. merkezi batarya

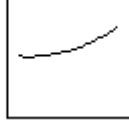


Telef. yerel pil

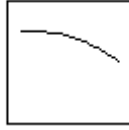


## Sembol kütüphaneleri "Teleteknik - Semboller": Üyeler, ekolayzırlar, sınırlayıcılar

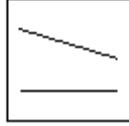
Ön vurgu



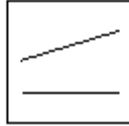
Vurgu azaltma



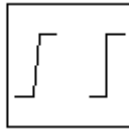
Kompresör



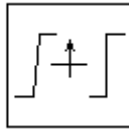
Expander



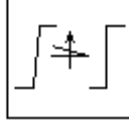
Bozulma Ekolayzer



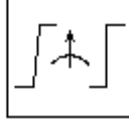
Düz düzeltmeli kapatıcı



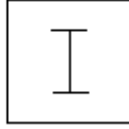
Eğim düzeltmeli ekolayzır



Eğriliği düzeltilmiş kapatıcı



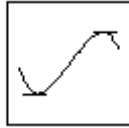
Yapay çizgi



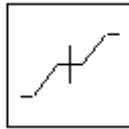
Genlik sınırlayıcı, eşik cihazı



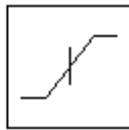
Bozulmayan genlik sınırlayıcı



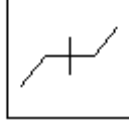
Genlik sınırlayıcı ekleyin. ve ABD Donanması. Küçük ve büyük



Pozitif ve negatif genlikler için genlik sınırlayıcı büyük



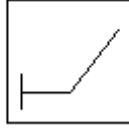
Küçük pozitif ve negatif genliklerin sınırlayıcısı



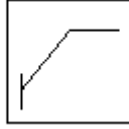
Küçük ve büyük pozitif genlik sınırlayıcı



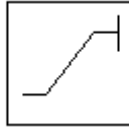
Küçük Pozitif Genlik Sınırlayıcı



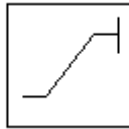
Büyük pozitif genlikler için genlik sınırlayıcı



Küçük ve büyük negatif genlik sınırlayıcı



Büyük Negatif Genlik Sınırlayıcı

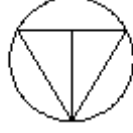


Küçük Negatif Genlik Sınırlayıcı

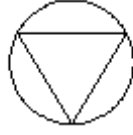


## Sembol kütüphaneleri "Teleteknik - Semboller": Ses ve televizyon programlarının kablo dağıtımı

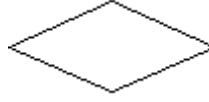
Yerel antenli kablo kafası



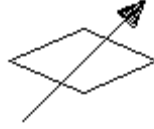
Yerel antensiz kablo kafası



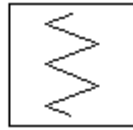
Düzeltilen



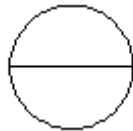
Ayarlanabilir ekolayzır



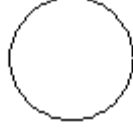
Susturucu



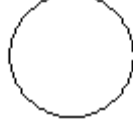
Abone bağlantısı



Abone terminal bağlantısı



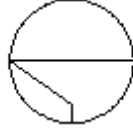
Seri abone bağlantısı, döngü



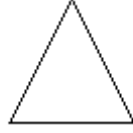
Manifold (üç)



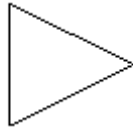
Yönlü bağlayıcı



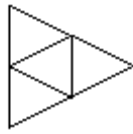
Şube Amplifikatörü



Dal veya Bitiş Hattı Amplifikatörü

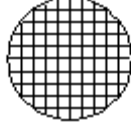


Dönüş Kanalı Amplifikatörü



Daha üst düzey bir çıktıyı vurgulama

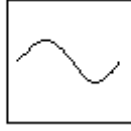




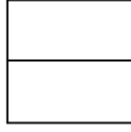
Çizgi Yoğunlaştırıcı Sembolü



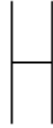
AC Lineer Güç Kaynağı



Güç Bağlantı Noktası



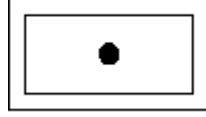
Güç Kilidi



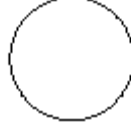
Telekomünikasyon Elemanlarının Sembolleri

**Sembol kütüphaneleri "Telekomünikasyon - Semboller": Yangın alarm sistemlerinin bileşenleri**

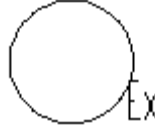
Yangın kontrol paneli



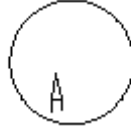
Yangın dedektörü



Kendinden güvenli tasarımlı yangın dedektörü



Adresli prizde yangın dedektörü



Kısa devre izolasyonlu adresli prizde yangın dedektörü



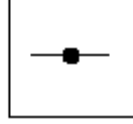
Lineer Optik Dedektör Verici



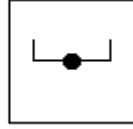
Lineer Optik Dedektör Alıcısı



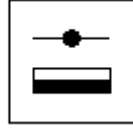
Otomatik yangın dedektörü



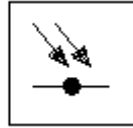
Yangın dedektörü otomatı. Birleşmek



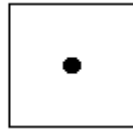
Yangın dedektörü otomatı. termo-bimetal



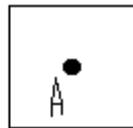
Yangın dedektörü otomatı. Fotoelektrik



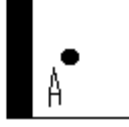
Manuel yangın butonu



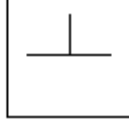
Adresli prizde yangın butonu



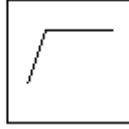
Kısa devre izolatörlü adresli prizde yangın butonu



Konvansiyonel Dedektör Adaptörü



Kendinden güvenli ayırıcı



Kendinden güvenli bariyer



Kısa Devre İzolatörü

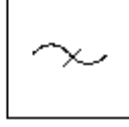


Sonlandırma Direnci

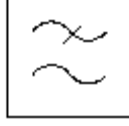


## Sembol kütüphaneleri "Teleteknik - Semboller": Filtreler, zayıflatıcılar, amplifikatörler

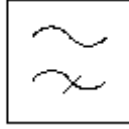
Filtre - Genel Sembol



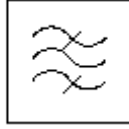
Alçak geçiren filtre



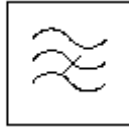
Yüksek geçiren filtre



Bant durdurma filtresi



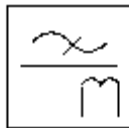
Merkez Kapatma Filtresi



Kuvars Filtre



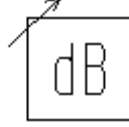
Elektromekanik filtre



Susturucu



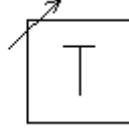
Kontrol edilebilir susturucu



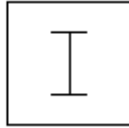
T tipi susturucu



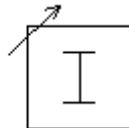
T tipi ayarlanabilir susturucu



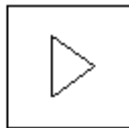
H tipi susturucu



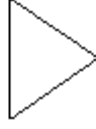
H tipi ayarlanabilir susturucu



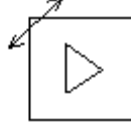
Yükselteç



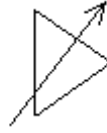
Yükselteç



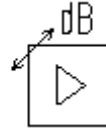
Kontrollü amplifikatör



Kontrollü amplifikatör



Otomatik kazanç kontrolü ile kontrol edilen amplifikatör

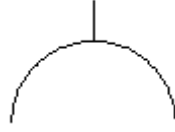


## Sembol kütüphaneleri "Teleteknik - Semboller": Soketler, fişler, konektörler

Koruyucu kontaklı elektrik prizi



Elektrik prizi



Soket ve fiş



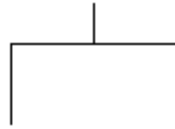
Soket ve Fiş - Çok Pimli Konektör



Fiş, Fiş



Telekomünikasyon soketi - genel sembol

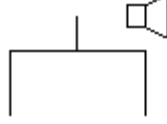


Telekom soketi - def. tür

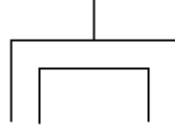




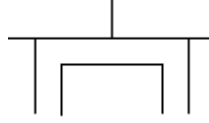
Telekomünikasyon soketi - hoparlör soketi



Telekom Anten Soketi



Koaksiyel telekom soketi



Telekom mikrofon jakı



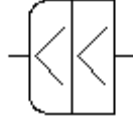
Konektör tertibatı - sabit parça



Konektör tertibatı - hareketli parça

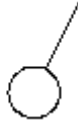


Konnektör Montajı



## Sembol kütüphaneleri "Telekomünikasyon - Semboller": Kontrol anahtarları, sensörler, uyarı cihazları

Tire



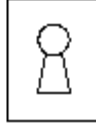
Gösterge ışıklı konektör



Çekme çubuğu konektörü



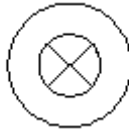
Anahtar kontrollü ataşman değıştirici



Düğme



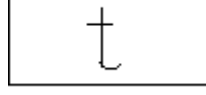
Gösterge ışıklı düğme



Kısıtlı düğmesi



Zaman Dağıtıcı



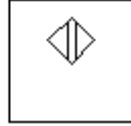
Saat Bağlayıcı



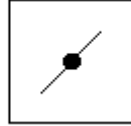
Şok sensörü



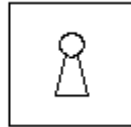
Yakınlık cihazı



Polis Uyarısı



Nöbetçi çağrı noktası



Saat



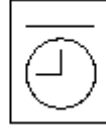
Birincil Saat



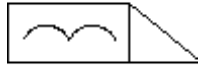
Konektörlü saat



Kontrol Zamanlayıcısı

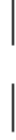


Elektrikli Kilit



## Sembol kütüphaneleri "Telekomünikasyon - Semboller": Mikrodalga teknolojisi - panjurlar, geçişler, konektörler, sfinkterler

Açıklık



Ayarlı deklanşör



Dalga kılavuzu tipleri arasında geçiş



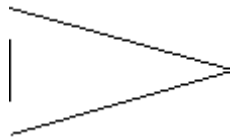
Dalga kılavuzları arasında geçiş - sürekli



Dalga kılavuzları arasında geçiş - kademeli



Sürekli kesit değişimi ile geçiş



Simetrik kontak konektörü



Dengesiz kontak konnektörü



Simetrik döner kontak mafsalı



Sfinkter

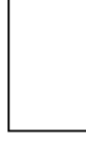


Ayarlanabilir sfinkter



## Sembol kütüphaneleri "Telekomünikasyon - Semboller": Mikrodalga teknolojisi - dalga kılavuzları

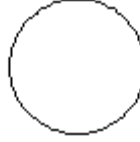
Dikdörtgen dalga kılavuzu



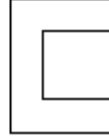
Kare dalga kılavuzu



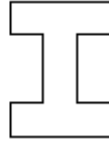
Dairesel dalga kılavuzu



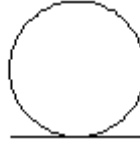
Dorsal dalga kılavuzu



Dorsal dalga kılavuzu H

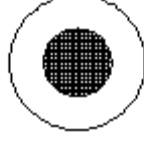


Parça, koaksiyel dalga kılavuzu

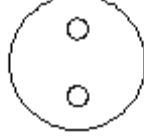


Parça, koaksiyel dalga kılavuzu





İz, simetrik korumalı dalga kılavuzu



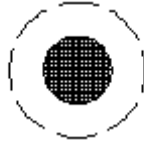
Toryum, dielektrik dalga kılavuzu



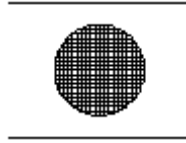
Parça, boru şeklindeki dalga kılavuzu



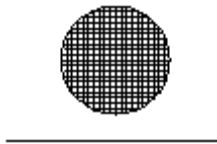
Parça, Goubau dalga kılavuzu



İz, simetrik şerit dalga kılavuzu



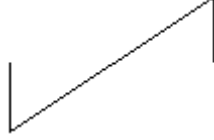
Parça, dengesiz şerit dalga kılavuzu



Esnek dalga kılavuzu



Dalga kılavuzu bükümü



Belirli bir frekansın zayıflaması



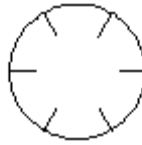
Torna izi (spiral, sarmal)



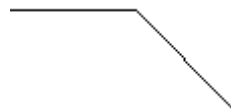
Gecikme yolu açık



Gecikme yolu kapalı



Dalga kılavuzunun yapısal çökmesi



## Sembol kütüphaneleri "Teleteknik - Semboller": PLC, kartlar, girişler, çıkışlar

Kontrol sistemi



Raf



CP 524 haberleşme işlemcisi



928B İşlemci



946 İşlemci



947 İşlemci



Bellek Genişletme Modülü



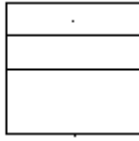
923C Koordinatörü.



Kart



Giriş



Çıkış

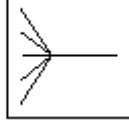


Masa

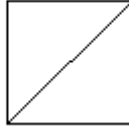


## Sembol kütüphaneleri "Teleteknik - Semboller": Dönüştürücüler, ayırıcılar

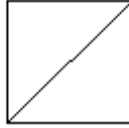
Karıştırıcı



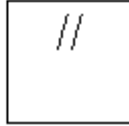
Dönüştürücü - genel sembol



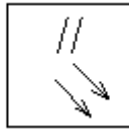
Dönüştürücü



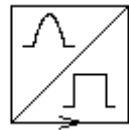
Galvanik ayırıcı



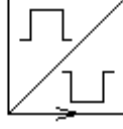
Optoelektron Ayırıcı



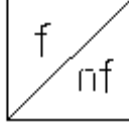
Nabız Ekolayzer



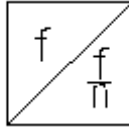
Darbe İnvörtörü



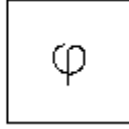
Frekans Çarpanı



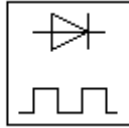
Frekans bölücü



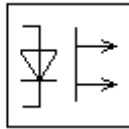
Faz değıştirici



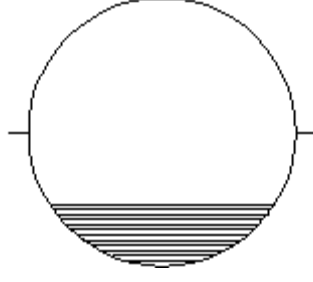
Ayırıcısı



Lazer Diyotlu Fiber Optik Verici

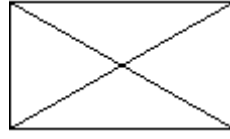


Fiber Optik Alıcı

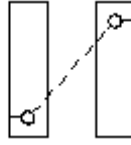


## Sembol kütüphaneleri "Teleteknik - Semboller": Dağıtım çerçeveleri

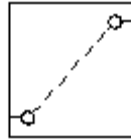
Dağıtım çerçevesi - genel sembol



Dağıtım Çerçevesi Kenarları (Türü Belirtin)



Dağıtım Sayfası

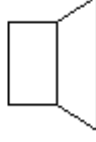


Dağıtım Sayfası



## Sembol kütüphaneleri "Teleteknik - Semboller": Elektroakustik transdüserler

Hoparlör



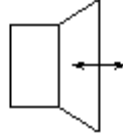
Woofer



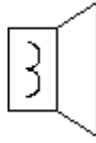
Tweeter



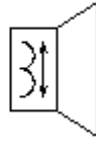
Hoparlör - Mikrofon



Bobin hoparlörü, manyetoelektrik

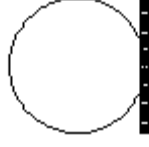


Manyetostriktif hoparlör



Mikrofon

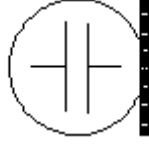




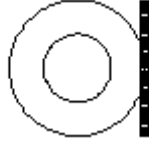
Manyetoelektrik mikrofon



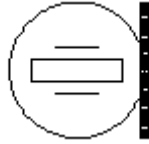
Kondansatörlü mikrofon



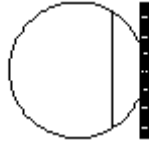
Karbon mikrofon



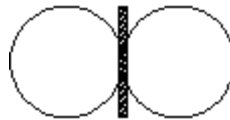
Piezoelektrik mikrofon



Laringeal mikrofon (laringofon)



Dengeli mikrofon



Yagışıklı



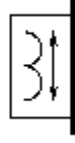
Yakışıklı



Manyetoelektrik ahize



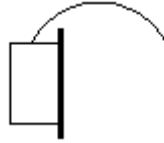
Manyetostriktif ahize



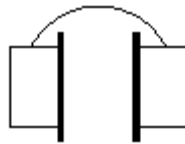
Kemik alıcısı (osteofon)



Tek kulaklık



Kulaklık



## Sembol kütüphaneleri "Telekomünikasyon - Semboller": Teller - hat yükselticiler (enerji akışı)

Hat yükseliyor



Yukarıdan gelen çizgi



Aşağı Çizgi



Aşağıdan gelen çizgi



Hat yukarı ve aşağı gidiyor



Yukarıdan ve aşağıdan gelen çizgi



Aşağıdan yukarıya doğru giden bir çizgi



Yukarıdan aşağıya doğru giden bir çizgi



## Sembol kütüphaneleri "Telekomünikasyon - Semboller": Yönlendirme hatlarının yolları

Alçı, duvar



Kat



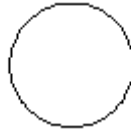
Tavanda, duvarda çizgi



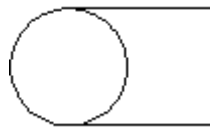
Tavanın altındaki çizgi



Koruyucu tüp hattı



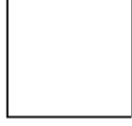
Koruyucu Tüp - Uç İşaretleme



Koruyucu Tüp - Uç İşaretleme



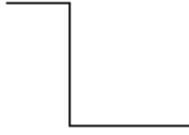
Kablo kanalını açın



Kablo tepsisini açın - işaretleyin. Son



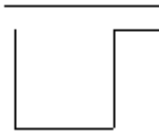
Kablo tepsisini açın - işaretleyin. Son



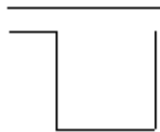
Gizli kablo kanalı



Gizli kablo kanalı - işaret. Son



Gizli kablo kanalı - işaret. Son



Kablo merdiveni



Parantez üzerindeki çizgi



İzolatörler üzerindeki hat



Destek halatı üzerindeki hat

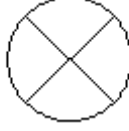


Çıtanın altındaki çizgi



## Sembol kütüphaneleri "Telekomünikasyon - Semboller": Sinyalizasyon

Lamba



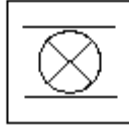
Sinyal lambası. İşaret Işığı Hakkında



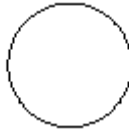
Alarm lambası, kontrol



Işıklı harfler



İşaretleme Ölçüm Cihazı



Araç Kayıt Ölçüm Cihazı



Çan

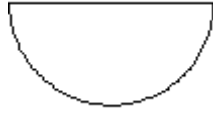




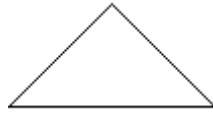
Tek vuruşlu zil (zil)



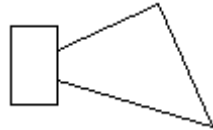
Zil



Denizkızı



Kayın



## Sembol kütüphaneleri "Teleteknik - Semboller": Frekanslar, bantlar ve spektrumlar için semboller

Ölçüm frekansı



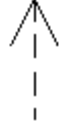
Değiştirilebilir Ölçüm Frekansı



Taşıyıcı frekansı



Zayıflatılmış taşıyıcı frekansı



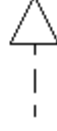
Taşıyıcı frekansı azaltıldı



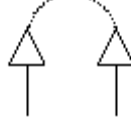
Pilot Frekansı



Pilot frekansı bastırıldı



Pilot frekansı dönüşümlü



Birincil Pilot Frekansı



İkincil Grup Pilot Frekansı



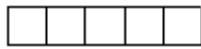
Sinyal frekansı



Sinyal frekansı



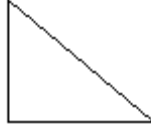
Frekans bandı



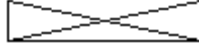
Basit Frekans Spektrumu (Kanal Grupları)



Ters Frekans Spektrumu (Kanal Grupları)



Kanal Grubu Spektrumu

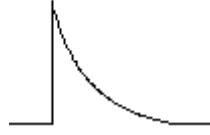


## Sembol kütüphaneleri "Telekomünikasyon - Semboller": Darbe sembolleri

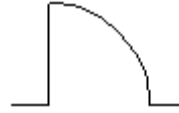
Üstel yükseliş, ani düşüş ile dürtü



Ani birikme ile dürtü, üstel serpinti



Ani Yükseliş Logaritmik Nabız



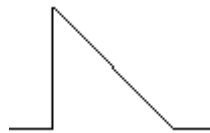
Ani Düşüş Logaritmik Nabız



Doğrusal yapılı testere dişi darbesi



Doğrusal inişli testere dişi darbesi



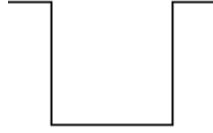
Testere Dişi Nabzı



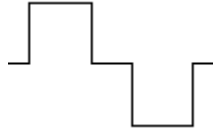
Pozitif Kare Nabız



Negatif Kare Nabız



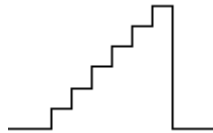
Çift taraflı kare darbe



AC Nabız



Kademeli Nabız



Pozitif Atlama Nabızı



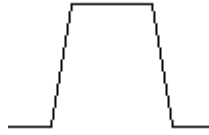
Negatif Atlama Nabızı



Üçgen nabız



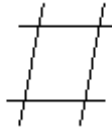
Trapez darbe



Analog Sinyal Sembolü



Dijital Sinyal Sembolü



## Sembol kütüphaneleri "Telekomünikasyon - Semboller": Göstergeler ve sensörler için ayırt edici semboller

Ayırt Edici Sembol: Manyetik



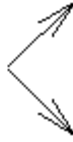
Ayırt Edici Sembol: Hareketli Bobin veya Bant Hakkında



Ayırt edici sembol: hareketli bir mıknatıs elemanı hakkında.



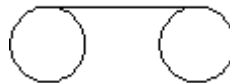
Ayırt Edici Sembol: Stereo



Ayırt Edici Sembol: Plaka



Ayırt Edici Sembol: Bant veya Film



Ayırt Edici Sembol: Davul

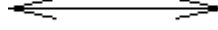




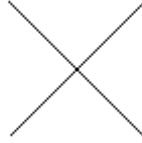
Ayır edici sembol: enerji akışının yönü



Ayır Edici Sembol: Kayıt ve Oynatma



Ayır Edici Sembol: Silme



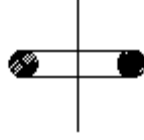
Tek kademeli gösterge



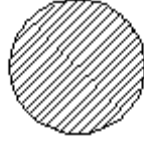
Üç aşamalı gösterge



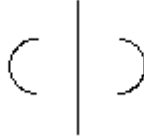
Gösterge aşaması: iki yönlü komütasyon



Derece sembolü



Tek aşamalı komütasyon aşaması



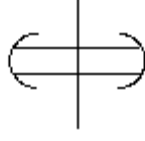
İki aşamalı komütasyon aşaması



Üç aşamalı komütasyon aşaması



Çift devreli komütasyon derecesi



Komütasyon derecesi sembolü - sol



Komütasyon Derecesi Sembolü - Sağ



Bağlantı aşaması



Çoklu bağlantı aşaması



## Sembol kütüphaneleri "Teleteknik - Semboller": Bilgisayar sistemleri

Bilgisayar, Ekran, Klavye



Yönetici istasyonu



Komputer PC



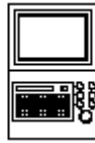
Endüstriyel PC



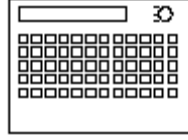
Konsol



Kutup



Operatör Terminali



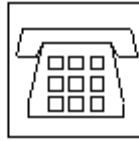
Klavye



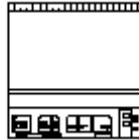
Yazıcı



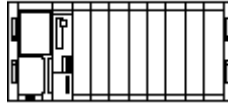
Modem



Raf



PLC Programlanabilir Kontrolör



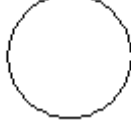
PLC için I/O Uzantısı



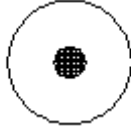


## Sembol kütüphaneleri "Teleteknik - Semboller": Dolaplar, kutular, kutular

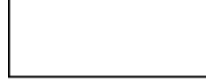
Can - genel sembol



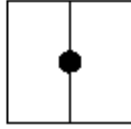
Geçiş veya şube kutusu



Şalt

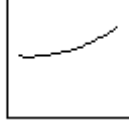


Telli bağlantı kutusu

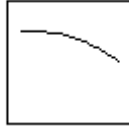


## Sembol kütüphaneleri "Teleteknik - Semboller": Üyeler, ekolayzırlar, sınırlayıcılar

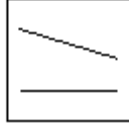
Ön vurgu



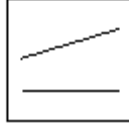
Vurgu azaltma



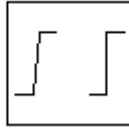
Kompresör



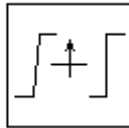
Expander



Bozulma Ekolayzer

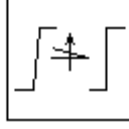


Düz düzeltmeli kapatıcı

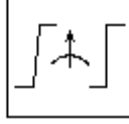


Eğim düzeltmeli ekolayzır

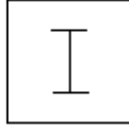




Eğriliği düzeltilmiş kapatıcı



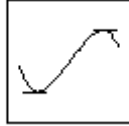
Yapay çizgi



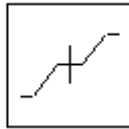
Genlik sınırlayıcı, eşik cihazı



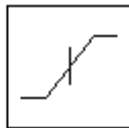
Bozulmayan genlik sınırlayıcı



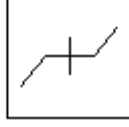
Genlik sınırlayıcı ekleyin. ve ABD Donanması. Küçük ve büyük



Pozitif ve negatif genlikler için genlik sınırlayıcı büyük



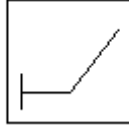
Küçük pozitif ve negatif genliklerin sınırlayıcısı



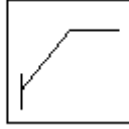
Küçük ve büyük pozitif genlik sınırlayıcı



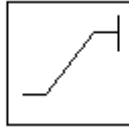
Küçük Pozitif Genlik Sınırlayıcı



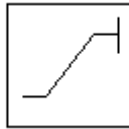
Büyük pozitif genlikler için genlik sınırlayıcı



Küçük ve büyük negatif genlik sınırlayıcı



Büyük Negatif Genlik Sınırlayıcı



Küçük Negatif Genlik Sınırlayıcı



## Sembol kütüphaneleri "Teleteknik - Semboller": Güç kaynağı, topraklama, paratonerler, dönüştürücüler

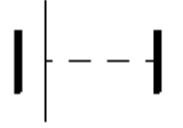
Galvanik hücre



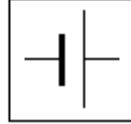
Pil bankası



Pil bankası



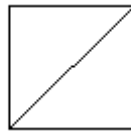
Pil bankası



Paratoner



Dönüştürücü



Inverter



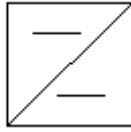
Doğrultucu



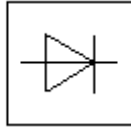
Doğrultucu/İnvertör



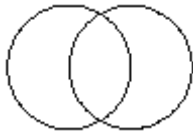
DC Dönüştürücü



Katı Hal Doğrultucu



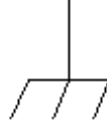
Tek Fazlı Transformatör



Kütle



Kütle



Eşpotansiyellik



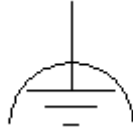
Zemin



Koruyucu topraklama



Gürültüsüz topraklama



Ana Sayfa IGE+XAO İngiltere

Şemalar için ücretsiz deneme sürümünü indirin

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Tüm hakları saklıdır

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