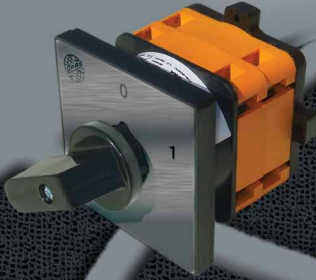




KATALOG

PAKET ŞALTER
CAM SWITCH



İZOLATÖR
INSULATOR



IP 65 POLYESTER PANO
IP 65 POLYESTER ENCLOSURE



CATALOG

PAKET ŞALTER
CAM SWITCH



IP 65 & IP 54 MUHAFAZA KUTUSU
IP 65 & IP 54 CAM SWITCH ENCLOSURE



IP 65 ABS/POLİKARBON PANO
IP 65 ABS/POLYCARBONATE ENCLOSURE





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OPAS ELK. MLZ. LTD. ŞTİ. 30 yıldır sektöre yeni bir soluk, müşteri memnuniyeti getirmenin gururunu yaşıyor. Paket şalter piyasasına yaptığı yeniliklerle adını duyuran OPAS, Türkiye’de önemli bir bayilik ağına sahiptir ve dünyanın 35 ülkesine de ihracatta kalite ve güvenini sunarak dünyanın elektriğine yön vermektedir.

Yaşanan ekonomik krize rağmen OPAS, yeni projelere ve teknolojilere her geçen gün yatırım yapmaya, istihdamı artırmaya devam etmektedir.

2010 yılı itibarı ile OPAS ürettiği paket şalterlere ek olarak polyester ve polikarbon panolar, izolatör ve aydınlatma grubu ile sektöre yeni bir soluk getirmeye, sizlere hizmet vermeye devam etmektedir.

OPAS, ISO(BUREAU VERITAS), CE ve TSE belgelerine sahiptir.

OPAS yerli sanayimiz içinde haklı gururumuzu sürdürmeye devam etmektedir.

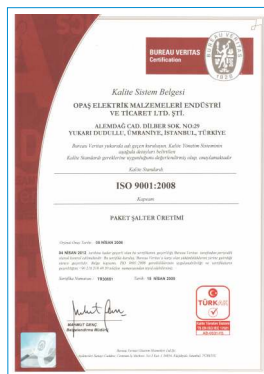
OPAS will continue to share the pride of passing the 30-year period with you by improving the customer satisfaction and bringing innovation to the sector. As you know, OPAS community was established on 3000 square meter space in Turkey as a hundred percent domestic production.

OPAS, which has introduced improvements to cam switch market, has a significant network of franchise in both Turkey and the world, whose products are being used in 35 countries in the world.

Contrary to the economical crisis in the world, OPAS continues to invest on new projects and develops a new product every passing day.

OPAS completed its investments and launched production of applications of polyester material which are polyester enclosures, isolators and lighting products and OPAS will continue to bring a new breath to the sector.

Newly developed polyester and polycarbon enclosures and their plexiglass versions have been introduced to our dear customers. Last but not least, our company and products have the following certifications: ISO 9001: 2008 (BUREAU VERITAS) , CE , TSE.



ISO 9001:2008



No: 91533

No: 00229



EN 60947-3
No:1401/4066

EN 60947-5-1
No:140001/4066

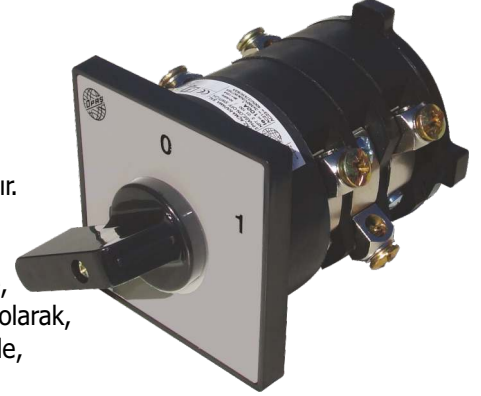




PAKET ŞALTERLER HAKKINDA GENEL BİLGİ

Paket şalterler sık açma-kapama gerektiren aşağıdaki ana ve yardımcı devrelerde kullanılır.

- 1- Bir, iki ve üç fazlı elektrik devrelerinin açma-kapamasında,
- 2- Gerilim-akım değerlerini ölçen cihazların kumandasında,
- 3- Motorların beslenme devrelerini açıp-kapayarak yol verme veya durdurma işlemlerinde,
- 4- Transformatör ve kaynak makinalarında açma-kapama, selektör ve kademe değiştirici olarak,
- 5- Kutup değiştirici veya gruplama şalteri olarak şebeke-regülatör gibi ihtiyaç olan yerlerde,
- 6- Otomatik geri dönüşlü startlı şalter olarak kullanılır.



Paket şalterlerimiz, en kaliteli izolasyon malzemesi ve gümüş alaşımli perçin çakılmış bakır kontak kullanılarak şalt cihazları alanında modern teknolojilerle istifade etmek suretiyle, en yüksek mühendislik standartlarına göre imal edilmektedir.

Seri üretilmekte olan temel yapı elemanları sayesinde şalterler, çok kısa zamanda monte edilip, her türlü açma-kapama gereksinimini yerine getirmektedir. Pano üzerine, içine, trafo merkezlerinin alçak gerilim tarafına, şalt panolarına, dağıtım kabinlerine monte edilebilir, madencilik, gemcilik ve benzeri sahalarda çeşitli ihtiyaçlara cevap verir.

Her şalter, şalt programına göre kolayca monte edilip sökülebilen çeşitli açma-kapama elemanlarından meydana gelmiştir. Açma-kapama elemanlarının gövdesi, kaçak akım ve ark etkilerine dirençli plastik malzemeden yapılmıştır. Her elemanı birbirinden 180 derece açı ile yerleştirilmiş tek açmalı iki kontak çifti vardır. Kontak çifti, iki sabit kontak ile hareketli kontak köprüsünden oluşur.

Kontak kapanması basınç yayı, açılması ise şalt elemanın merkezindeki bir kama (program diski) sayesinde olur. Bütün şalt elemanlarının birbirlerine sıkı bir şekilde bağlı olmasıyla kontakların hemen hemen aynı anda açılıp-kapanmaları sağlanır.

Çift kontak paralel açma ve elektrik arklarına dayanıklı bakır kontaklara özel gümüş alaşımli perçinler sayesinde yüksek akım kesme kapasitesi ve uzun ömür sağlamaktadır. Şalterin şalt açıları 30 derece, 45 derece, 60 derece ve 90 derece şeklindedir.

GENERAL INFORMATION ABOUT CAM SWITCHES

Cam Switches are used at the following main and auxiliary circuits requiring frequent switching on-off.

- 1-In switching on-off of single, two and three-phase electric circuits,*
- 2-In controlling of devices measuring voltage-current values,*
- 3-In processes of starting or stopping by switching on or off the supply circuits of motors,*
- 4-As on-off switch, selector and step-alternator in transformers and welding machines,*
- 5-As pole-alternator or grouping switch, in required places such as network-regulator,*
- 6-As automatic, reversible switch with start.*

Our Package switches are manufactured according to the highest engineering standards by benefiting from the modern technological developments in the range of switch devices by using the highest-quality isolation materials and silver compound riveted copper contact. Thanks to the basic structural elements produced in series, the switches are mounted in a very short time and perform the function of any kind of switching on-off. It can be mounted on the low voltage side of transformers on or in the board, on switchboards, at distribution panels and meets the various requirements of mining, navigation and etc as well.

Each switch consists of various on-off elements that can be easily assembled-disassembled according to the switching program. The casing of the switching on-off elements are made of plastic material resistant to electric leakage and arc effects. There are two pair of contacts with a single opening and each component is positioned to 180° to the other. Contact pairs consist of two fixed contacts and a movable contact bridge.

Contact closing is realized through pressure spring and opening through a wedge (program disc) at the center of the switch element. Due to the fact that all the switch elements are connected tightly to each other, the contacts are provided to open and close synchronously. High current breaking capacity and long life-span is provided through special silver compound rivets resistant to electric arcs and double-contact parallel opening. The switching angles of switches are as follows: 45°, 60° and 90°.

KAPALI TİP KÜÇÜK, ORTA VE BÜYÜK ŞALTERLER

Kapalı tip şalterler genel kullanım olarak tasarlanmış olup, kumanda sistemlerinde, ölçü komutatörlerinde, kademeli, kutup değiştirici ve motor kumanda devrelerinde güvenle kullanılır. Hava ve yüzey atlama gerilim mesafeleri 690 volttan daha büyüktür.

Kontakt malzemeleri ve kablo bağlantı klemensleri EN 60947-3'e uygundur. Bütün klemens ve kontakt bağlantıları el temasına karşı korumalıdır. Bu ise VDE 0106. Bölümün 100. maddesi veya VBG4'e uygun olarak üretilmiştir.

Yıldız/Düz Tornavida ile çalışmalarda kontakt vidaları seri ve emniyet olarak sıkılabilir. Şalterlerin tasarımında azami yer tasarrufu, kolay montaj ön planda tutulmuş, kullanımda kolaylık ve zaman tasarrufu sağlayacak bir yapıdadır. Şalterlerin anahtarlama açıları 30-45-60-90 derecedir.

Hareketli kontakt elemanları bakır olup, gümüş içerikli perçinler kullanılır. Kontaktlar basarak açıp-kapama yaptığından emniyetle çalışırlar. Tahrik mili üzerinde bulunan kamlar, yani programlar diskleri kontaktların aynı zamanda açıp kapasını gerçekleştirdiğinden bütün kumanda devrelerinin veya fazlarının gecikmesiz aynı anda açıp kapasını temin eder.

Hammaddesi yanmaya dayanıklı ve alev almayan "PBT" plastiktir. Kapalı tip şalterler, EN 60947-3, IEC 947-3 ve diğer arası normlara ve çevre şartlarının özellikleri dikkate alınarak AR-GE çalışmaları yapılmıştır. AB ve bazı dünya devletlerinin kabul ettiği CE normlarına ve kriterlerine uyumlu hale getirilmiştir. Kontakt ve köprüler tamamen kapatılarak elektriğin el ile teması kesilmiştir.

Kullanım şartları ve isteğe bağlı olarak kilitli asma kilit kullanılır. Dünya standardı normlarına göre paket şalterlerimiz; Ana şalter, yüksek kesici şalterler ve kesici şalterler olarak üç şekilde kullanılabilirler. Yükteki kesici şalterler en az AC23A. Kullanım şartlarına dayanıklı olmalıdır. Kesici şalterler ise yük devresini kontaktör üzerinden kapatmayı temin eden yardımcı kontakt bulunacak şekilde olmalıdır. Kesici şalterlerin seçiminde sürekli çalışma akımı dikkate alınmalıdır. Şalterlerin seçimini yaparken teknik değerler bölümünü dikkatli incelemek gerekir.

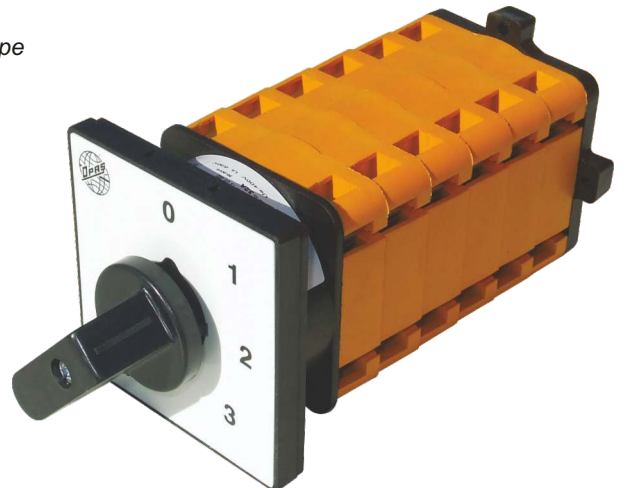
CLOSED TYPE SMALL, MEDIUM AND LARGE SIZE SWITCHES

Close type switch has been designed for general use in control systems. User safety, less space and easy mounting are the primary advantages of this special design. Padlock can be used on locked type as in our other types of switches.

Closed type switch has been developed according to the standards of EN6097-3, IEC and CE which meets the world standards about quality and ecology. Contacts and terminals are concealed to prevent electric shocks caused by touch. The body material is PBT which can resist and is non-flammable up to very high temperatures. Contact materials and terminals fully comply with EN 60947-3.

Moveable contact elements are of copper and silver riveted compound which enables high conducting. Control circuits operate without delay due to program discs, cams and contacts in the switch moving synchronously. The switching angles are 45°, 60°, 90°.

The user must pay attention to the technical specifications before defining type and capacity of the cam switch to be used on the control panel or machine.



KAPALI TİP MİNİK BOY ŞALTERLER

CLOSED TYPE MINI SIZE SWITCHES

Yeni teknoloji ve uluslararası standartlara göre geliştirilmiş olan MİNİ tip paket şalterlerimiz kumanda devrelerinde güvenle kullanılabilir.

Bu şalterler minimum ölçülerde tasarlanmış olup dokunmaya karşı tam korumalıdır.

Modern tasarımlı paket şalterlerimiz hızlı kablo montajına olanak sağlayan vida bağlantı sistemine sahiptir.

Az montaj yeri gerektiren MİNİ tip şalterlerimiz standart olarak 35x35 mm ön plakalı, 4 delik montajlı olarak 6A, 8A ve 10A olarak üretilmektedir.

SQUARE TYPE MINI SIZE SWITCHES

Mini square type of cam switches has been developed regarding to international standards that safe using in control circuit.

Mini type of switches has designed by minimum dimensions for finger protection.

Our modern design of cam switches have easy screw connection system for fast cable mounting.

Mini type of switches have standard front frame 35x35mm, 4 assembly holes that need less space for montage and manufactured in 6A and 10A

- Dokunmaya karşı tam koruma
- Hızlı ve kolay montaj
- Minimum ölçü
- Modern tasarım
- Yeni teknoloji
- Isıya dayanıklı termoplastik gövde
- Yüksek kontak teması

- Protection against touching
- Easy and quick assembling
- Minimum size
- Modern design
- New technology
- Heat-resistant thermoplastic body
- High contact conductivity



YUVARLAK TİP ŞALTERLER

ROUND TYPE CAM SWITCHES

Şalterlerin Doğru Seçimi :

Yükte kesici şalterler, en az AC-23A kullanım şartlarına dayanıklı olmalıdır. Kesici şalterlerin seçiminde sürekli çalışma akımı dikkate alınır. Ana şalter olarak kullanıldığında, makina üzerindeki en büyük motorun tam frenlenmiş konumda çekeceği akım ile diğer tüm sarf birimlerinin toplam akım değerlerine eşit olmalıdır. Ayrıca, tüm sarf birimlerinin nominal çalışma akım değeri toplamı, şalterin sürekli çalışma akım değeri üzerine çıkmamalıdır. Teknik değerler kısmı iyi incelenmelidir.



These package switches with the design registration held by OPAŞ have superior characteristics: body heat-resistant up to 1200°C, switch components positioned at 120° to each other, control of 3 phases in a block and 3 moving contacts with a single opening moving contacts bridge the fixed one and contain copper bars, 2 and 3 mm in width. Special silver rivets mounted on moving contacts provide a long life, and high capacity to break currents, and prevent excessive arcing. Package switches have high capacity to break currents and adequate mechanical and electrical strength. They can accept short overcharges and, when used with a fuse, feature high resistance to peak short-circuits.

Selecting the right switches

Charge breaking switches must be at least AC-23A and have adequate strength against conditions of use. In selecting breaking switches the continuous operating current will be considered. If used as the main switch, it must be rated up to the current to be consumed by the fully braked largest engine of the machine, plus the current to be consumed by all the other components. In addition, the nominal operating current of all the current-consuming components should not exceed the continuous operating current of the switch. Technical values should be checked carefully.

Vida / Screw, Mandal / Knob, Conta / Gasket, Etiket / Indicator Plate, Çerçeve / Front Plate, Montaj Ara Kapağı / Metal Front Mounting, Mekanik Blok / Top Program Blocks, Contalı Mil / Shaft, Gövde (Kontakt Blok) / Contact Blocks, Alt kapak / Base Mounting Bracket

Canbaz / Plunger, Yayı / Spring, Yıldız / Spindle, Ay / Cam D.K.P., Hareketli Kontakt / Active Contact, Sabit Kontakt / Fixed Contact, Kömür / Plunger, Pul / Spangle, Program Diski / Prog. Disc, Pul Vidası / Spangle Screw, Kömür Yayı / Plunger Spring

Standart Üretim / Standard production: (10 - 16 - 20 - 25) A

Mandal / Knob, Etiket / Indicator Plate, Çerçeve / Front Plate, Montaj Kapağı / Front Mounting, Mekanik Blok / Mechanical Block, Gövde (Kontakt Blok) / Contact Blocks, Alt kapak / Base Mounting Bracket

Canbaz / Plunger, Yayı / Spring, Yıldız / Spindle, Ay / Cam D.K.P., Hareketli Kontakt / Active Contact, Sabit Kontakt / Fixed Contact, Kömür / Plunger, Pul / Spangle, Program Diski / Prog. Disc, Pul Vidası / Spangle Screw, Kömür Yayı / Plunger Spring

Standart Üretim / Standard production: (6-8-10) A

Vida / Screw, Mandal / Knob, Conta / Gasket, Etiket / Indicator Plate, Çerçeve / Front Plate, Montaj Kapağı / Front Mounting, Mekanik Blok / Mechanical Block, Contalı Mil / Shaft, Gövde (Kontakt Blok) / Contact Blocks, Alt kapak / Base Mounting Bracket

Canbaz / Plunger, Yayı / Spring, Yıldız / Spindle, Ay / Cam D.K.P., Hareketli Kontakt / Active Contact, Sabit Kontakt / Fixed Contact, Kömür / Plunger, Pul / Spangle, Program Diski / Prog. Disc, Pul Vidası / Spangle Screw, Kömür Yayı / Plunger Spring

Standart Üretim / Standard production: (10 - 16 - 20 - 25 - 32 - 40 - 50 - 63 - 80 - 100 - 115 - 125) A

YUVARLAK TİP ŞALTERLER (B4) / ROUND TYPE SWITCHES

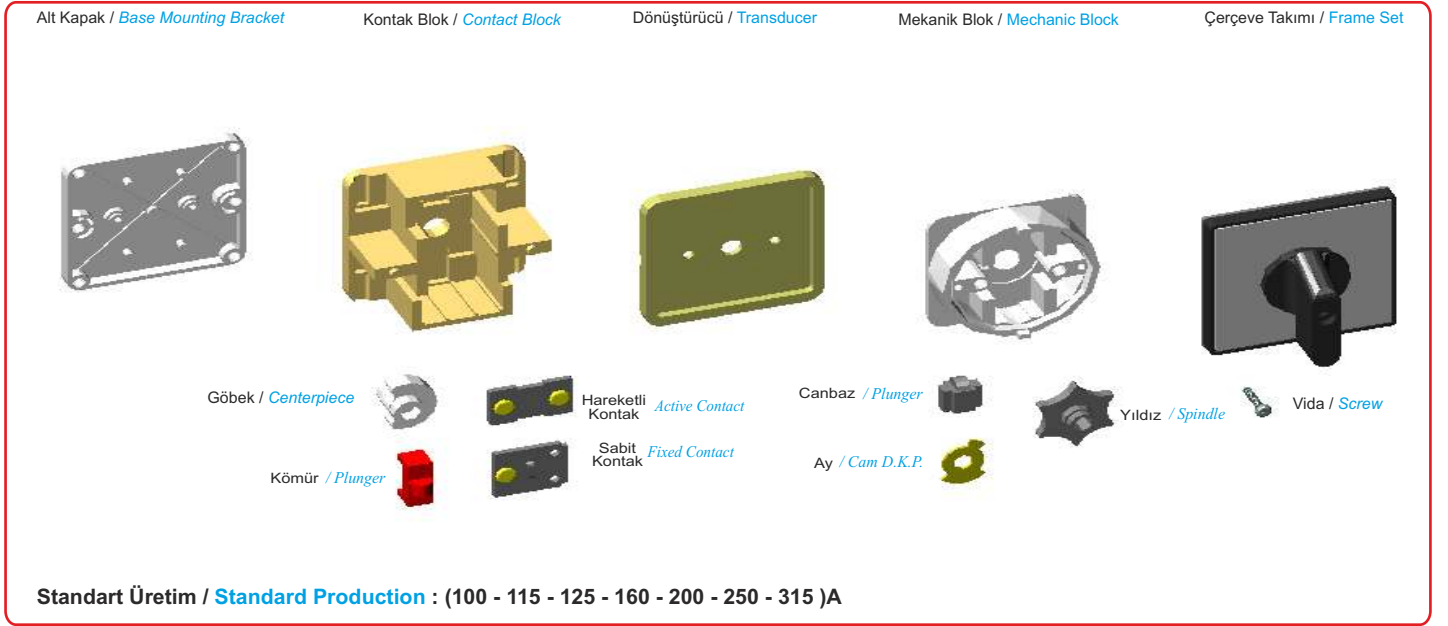
ROUND TYPE SWITCHES

Tahrik Mandal / Ball Handle, Conta / Gasket, Fon kağıdı / Indicator Plate, Çerçeve / Front Plate, Mekanik Blok Kapağı / Metal Front Mounting, Mekanik Blok / Top Program Blocks, Gövde (Kontakt Blok) / Contact Blocks, Mil / Shaft, Alt kapak / Base Mounting Bracket

Tahrik Mandal Vidası / Screw for Ball Handle, Çerçeve Vidası / Front Screw, Tespit Vidaları / Mounting Metal Screw, Kam / Cam, Kömür / Plunger, Yayı / Spring, Çark Kömürleri / Plunger For Spindle, Sabit Kontakt / Fixed Contact, Hareketli Kontakt / Active Contact, Bağlantı Kulakları / Bridge, Pul Vidası / Spangle Screw, Yıldız / Spindle, Köprü / Bridge

Standart Üretim / Standard production: (160 - 200 - 250 - 315) A

BÜYÜK KARE TİP ŞALTERLER / LARGE SQUARE TYPE



NORMAL ve KAPALI PAKET ŞALTERLERDE ÖN PANEL TİPLERİ

Normal ve kapalı paket şalterlerimizin ön paneli 4 tipte tasarlanmıştır.

1 - Standart Tip

Siyah çerçeve, beyaz veya gri ekran fonundan oluşmaktadır.

2 - Kilitli Tip (Kilitli Mekanizma)

Ana şalter veya emniyet şalteri üzerinde kullanılmak üzere, şalter kapalı konumdayken 1-2 asma kilit takılabilir.

Renk Kombinasyonu;

Çerçeve : Sarı (İsteğe bağlı olarak siyah, kırmızı yapılabilir.)

Mandal : Kırmızı (İsteğe bağlı olarak sarı, siyah olabilir.)

3 - Geniş Çerçeveli

Genel olarak makinelerin üzerine, 4 köşesinden monte edilerek, fiziksel olarak güzel görünüm vermektedir.

4 - Etiketli Çerçeve

Siyah çerçeve, beyaz veya gri ekran fonundan oluşmaktadır. Etiketli kısım standarttır.

FRAME TYPES FOR STANDARD AND CLOSED TYPE SWITCHES

The front panel of standard cam switches is designed in 4 types:

1 - Standard Type

Consists of black frame, white or grey label.

2 - With Padlock (Locked Mechanism)

1-2 padlocks may be mounted on the switch as closed, in order to be used as the main switch or safety switch.

Color combination;

Frame: Yellow (may be black, red as optional.)

Latch: Red(may be yellow, black as optional.)

3 - Mounting Frame

Generally mounted to 4 corners of the machines and gains physically a nice view

4 - Labelled Frame

Consists of black frame, white or grey label. Labelled part is standard.



STANDART
STANDARD



KİLİTLİ
WITH PADLOCK



GENİŞ ÇERÇEVELİ
MOUNTING FRAME



ETİKETLİ ÇERÇEVE
LABELLED FRAME

**STANDART, KİLİTLİ ve GENİŞ ÇERÇEVELİ ŞALTER TİPLERİ ARASINDA FİYAT FARKI YOKTUR.
NO PRICE DIFFERENCE FOR DIFFERENT TYPES OF FRAMES**



IP 65 POLYESTER PANO ÖZELLİKLERİ / IP 65 POLYESTER ENCLOSURE'S QUALIFICATIONS

Yalıtıcıdır; elektriği iletmez. Oluşabilecek elektrik arkını 2 dakika gibi sürede sızdırmaz. Cam elyaf katkılıdır; Oluşan ark vb.den dolayı yangınlara karşı müdahale imkanı sağlar. Çabuk alev almaz. Su ve nem geçirmez; Dış atmosferik koşullara -50°C / +200°C dayanıklıdır. Paslanmazlık ve korozyonlara dayanıklılık; Boya ve bakım maliyeti yoktur. Darbelere ve asitlere karşı dayanıklıdır. UHT katkılıdır; Ateşe ve güneşten gelen UV ışınlarına karşı dayanıklıdır. HALOJEN FREE'dir. Antibakteriyeldir; Mikro organizma üretmez (su ve sabunla kolay temizlenir). Modülerdir; Kolayca işlenebilir montaj kitiyle kolay montajlanır. IP 65/67; sert hava koşullarına ve ortamda olan toz ile benzer etkilerden etkilenmez ve iç yapıyı korur.

Isolated; Does not conduct electricity. Isolates possible electric arcs for 2 minutes. Fiberglass doped; Provides opportunity to act against possible deflagrations and resists fire. Water and humidity resistant; Resistant to environmental conditions of -50°C to 200°C. Oxidation and corrosion resistant; No paint or maintenance costs. Resistant to impacts and acid. UHT resistant; Resistant to fire and UV lights from the sun. It is halogen-free. Antibacterial; Does not harbor micro-organisms. Easily cleaned with soap and water. Modular; Ease of installation with the easy-to-use assembly kit. IP 65/67; Resistant to extreme environmental conditions and unaffected by impurities like particles in the air, thus the inner structure is protected.

IP 65 POLİKARBON / ABS PANO ÖZELLİKLERİ / IP 65 POLYCARBONATE / ABS ENCLOSURE'S QUALIFICATIONS

ABS reçineleri akrilonitril, butadien ve stiren den elde edilen kopolimer lerdir.AKRİLONİTRİL ; kimyasal olarak sağlamlık, STİREN; kolay işlenebilirlik, sertlik ve parlaklık sağlar.BUTADİEN ;ise soğuk hava şartlarında ve oda sıcaklığında darbelere dayanımı ve dayanıklılık sağlayıcı olarak rol oynar.

Polikarbonatlar, termoplastiklerin özel bir grubudur. Işık geçirgenliği cama çok yakındır, ışık iletimi ; ışığın homojen olarak dağılması en önemli özelliğidir. Aynı zamanda ısıya, kimyasal maddelere, çizilmeye, darbeye dayanıklılığı yüksek, gıdaya uygun, hafiflik , UV koruması, ateşe karşı dayanıklılık, alev yaymazlık özelliği, ses ve ısı yalıtımı olan şeffaf plastikler diyebiliriz.

ABS resins are copolymer that is made of acrylonitrile, butadiene and styrene. Acrylonitrile; provides chemical integrity, Styrene; provides processability, solidity and gloss. Butadiene; provides impact resistance and durability in extreme environmental conditions.

Polycarbonates are a special group of thermoplastics. Their transparency is close to glass's. Transparency; homogen dispersal of the light is the most important specification. Also they can be described as transparent plastics with resistance to heat, chemicals, scratching an impact, suitability to food, lightness, UV protection, fire resistance, resistance to spreading flames, noise and heat isolation.

Polikarbonat kullanım sıcaklık aralığı : -100° C den + 135° C ye
Polikarbonat ın erime sıcaklığı : 270°C / 380° C civarı
Polikarbonatın kırılma endeksi : 1.585 ±0.001
Polikarbonatın ışık geçirme endeksi: 90 % ± 1 %
OPAŞ ABS Panoları bu özellikleri taşımaktadır.

*Polycarbonate usage temperature range: -100°C to 135°C
Polycarbonate melting temperature:~270 - 380°C
Polycarbonate fracture index:1,585 ± 0,001
Polycarbonate transparency index:90% ± 1%
OPAŞ ABS enclosures carry these qualifications.*

İki çeşit ürünümüz vardır.

1- opak 2-polikarbon

Opak denilen ürün cam kapaksız olup tamamı ABS den üretilmiştir. Polikarbon ise ; şeffaf kapağın polikarbon imal edilmesinden dolayıdır.Yani gövde ABS, şeffaf kapak polikarbonur.

We have two kind of products

1- opaque 2- polycarbonate

Opaque products are without glass cover, manufactured by ABS completely. Transparent cover manufactured by polycarbonate. Casing is ABS, glass cover is polycarbonate.

İZOLATÖRLERİN ÖZELLİKLERİ / INSULATORS' QUALIFICATIONS

Gri PBT malzemeden yapılır. Vida ve somun kısımları nikel kaplamadır. 0-5000 V atlama testinden başarıyla geçmiştir. PBT malzemenin özelliğinden dolayı 400C'ye kadar dayanıklıdır. Metrik 5-6-8 olarak üretilir.

Insulators made with gray PBT material. Screws and bolts are nickel-coated. tested and proved to be dielectric up to 5000V because of the PBT material, insulators are resistant up to 400C. Insulators are produced in metric 5-6-8 sizes.

KORUMA SINIFLARININ AÇIK OKUNUŞU

İlk hane kutunun katı yabancı maddelerin tehlikeli parçalarına erişimine karşı sağladığı korumayı belirtir.
The first digit indicates the level of protection that the enclosure provides against access to hazardous parts (e.g., electrical conductors, moving parts) and the ingress of solid foreign objects.

IP	Testler	Tests
0	Korumasız	No protection
1	Vücutun herhangi geniş bir bölgesi, elin tersi gibi, fakat kasti olarak temasa karşı koruma sağlamaz	Any large surface of the body, such as the back of a hand, but no protection against deliberate contact with a body part
2	Parmak veya benzer objeler	Fingers or similar objects
3	Aletler, kalın kablolar vb.	Tools, thick wires, etc.
4	Çoğu kablo, vida vb.	Most wires, screws, etc.
5	Tozun girişi tamamiyle engellenemekte fakat ekipmanın çalışmasına engel olacak kadar girişi engellemekte, Temasa karşı tam koruma	Ingress of dust is not entirely prevented, but it must not enter in sufficient quantity to interfere with the satisfactory operation of the equipment; complete protection against contact
6	Toz girişi yok; Temasa karşı tam koruma	No ingress of dust; complete protection against contact

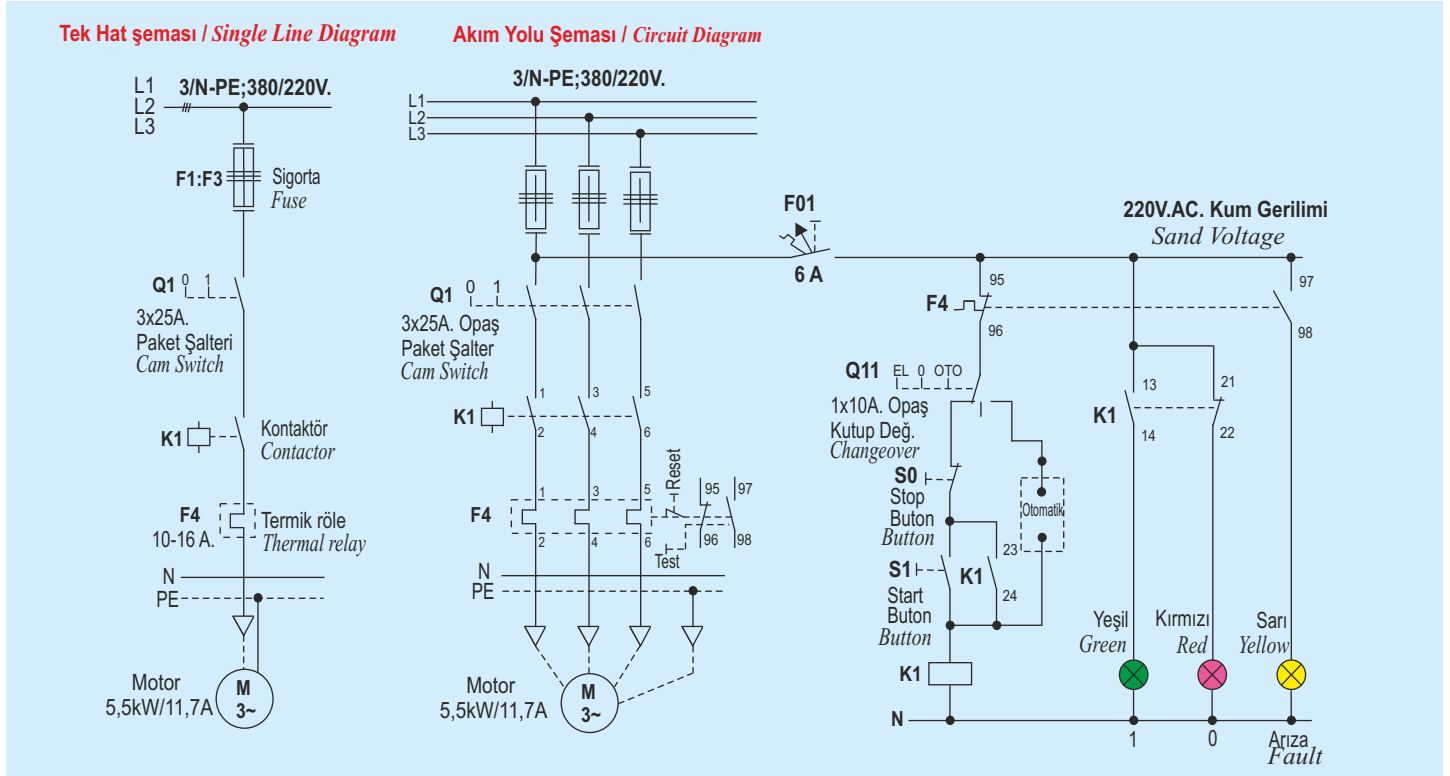
PROTECTION DEGREE

Zararlı su girişine karşı kutu içindeki ekipmanın korunması
Protection of the equipment inside the enclosure against harmful ingress of water.

IP	Testler	Tests
0	Korumasız	No protection
1	Damlayan suların (dik olarak düşen) hiç bir zararı yoktur.	Dripping water (vertically falling drops) shall have no harmful effect.
2	Kutu normal pozisyonundan 15 dereceye kadar döndürülse bile damlayan suların hiç bir zararı yoktur.	Vertically dripping water shall have no harmful effect when the enclosure is tilted at an angle up to 15° from its normal position.
3	Dikeyden 60 dereceye kadar püskürtme şeklinde düşen suların hiç bir zararı yoktur.	Water falling as a spray at any angle up to 60° from the vertical shall have no harmful effect.
4	Herhangi bir yönden gelen serpeme suların hiç bir zararı yoktur.	Water splashing against the enclosure from any direction shall have no harmful effect.
5	Herhangi bir yönden kutuya karşı bir ağızdan doğrultulan suların hiç bir zararı yoktur.	Water projected by a nozzle against enclosure from any direction shall have no harmful effects.
6	Herhangi bir yönden kutuya karşı güçlü fışkırtılan suların hiç bir zararı yoktur.	Water projected in powerful jets against the enclosure from any direction shall have no harmful effects.
7	Belirtilen zaman ve basınç koşullarında kutu suyun içine daldırıldığında zararlı olacak seviyedeki suyun içeri girmesi mümkün değildir.	Ingress of water in harmful quantity shall not be possible when the enclosure is immersed in water under defined conditions of pressure and time (up to 1 m of submersion).
8	Üretici tarafından belirtilen koşullar altında ekipman suyun altında devamlı kalmaya uygundur.	The equipment is suitable for continuous immersion in water under conditions which shall be specified by the manufacturer.

3 FAZLI BİR MOTORA DİREKT YOL VERME

DIRECT START A 3-PHASE MOTOR



ŞALTER KORUMALARI İÇİN KABLO SEÇİMİ CABLE SELECTION FOR SWITCH PROTECTION

GÜÇ - AKIM - TERMİK RÖLE - SİGORTA VE PAKET ŞALTER SEÇİMİ POWER-CURRENT-THERMAL RELAY-FUSE and SELECTION OF CAM SWITCH

Nominal Kesit mm ² <i>Nominal Section</i>	Nominal Akım (In) Grup 2 <i>Nominal Current</i>		Max. Akım Taşıma Kapasitesi <i>Max. Current Bearing Capacity</i>	OPAŞ Paket Şalterleri Seçimi <i>Selection of OPAS cam switches</i>
	Cu A	Al A		
0,75	6	-	12	3 x 10 A.
1	10	-	15	3 x 10 A.
1,5	10	-	18	3 x 10 A.
2,5	20	16	26	3 x 16 A.
4	25	20	34	3 x 25 A.
6	35	25	44	3 x 25 A.
10	50	35	61	3 x 40 A.
16	63	50	82	3 x 63 A.
25	80	63	108	3 x 100 A.
35	100	80	135	3 x 125 A.
50	125	100	168	3 x 160 A.
70	160	125	207	3 x 200 A.
95	200	160	250	3 x 200 A.
120	250	200	292	3 x 250 A.
150	250	200	335	3 x 315 A.
185	315	250	382	3 x 315 A.
240	400	315	453	-
300	400	315	504	-

GÜÇ POWER		AKIM CURRENT	GÜÇ FAKTÖRÜ POWER FACTOR	TERMİK RÖLE THERMAL RELAY	SİGORTA (380V.) FUSE	OPAŞ PAKET ŞALTER OPAS CAM SWITCH
kw	HP (PS)	A	Cosφ	A	A	3X6
0,06	1/12	0,22	0,74	0,16 - 0,25	2	3X6
0,09	1/8	0,32	0,74	0,25 - 0,4	2	3X6
0,12	1/6	0,44	0,75	0,4 - 0,63	2	3X6
0,18	1/4	0,61	0,75	0,4 - 0,63	2	3X6
0,25	1/3	0,78	0,76	0,63 - 1	2 - 4	3X6
0,37	1/2	1,12	0,76	1 - 1,6	4 - 6	3X6
0,55	3/4	1,47	0,80	1 - 1,6	4 - 6	3X6
0,75	1	1,95	0,80	1,6 - 2,5	6	3X6
1,1	1,5	2,85	0,81	2,5 - 4	6	3X6
1,5	2	3,8	0,82	2,5 - 4	10	3X10
2,2	3	5,4	0,82	4 - 6,3	16	3X16
3	4	6,8	0,83	6,3 - 10	16	3X16
4	5,5	8,8	0,83	6,3 - 10	20	3X25
5,5	7,5	11,7	0,85	10 - 16	25 - 32	3X25 / Y-D
7,5	10	15,6	0,85	10 - 16	32	3X40 / Y-D
11	15	22	0,86	16 - 25	40	3X63 / Y-D
15	20	29	0,86	25 - 40	50	3X63 / Y-D
18,5	25	37,5	0,83	25 - 40	63	3X63
22	30	43,5	0,83	40 - 57	80	3X100
30	40	60	0,83	50 - 63	100	3X100
37	50	73	0,84	55 - 80	100-125	3X125
45	60	88	0,84	80 - 110	125-160	3X160
55	75	104	0,86	80 - 110	160	3X200
75	100	140	0,86	120 - 150	200-250	3X200
90	125	168	0,86	-	250	3X250
110	150	198/205	0,86	-	315	3X250
132	180	230/290	0,87	-	315	3X315

Bakır bara kullanılması tavsiye edilir / Copper bar is recommended

DIN VDE göre 0100, Bölüm 430.6.81 / 5.2. Tablo:1

According to DIN VDE, 0100, Section 430.6.81 / 5.2. Table:1

(BS, ANSI CSA ve NF Standartlarına göre tablo :

9,16 / 9,17 göre A.C. Sincap kafesli motorların çektiği akımlar) (Devir sayısı : 1500 d/d = 3 faz)

According to BS, ANSI, CSA and NF, Table: According to 9,16 / 9,17, squirrel-cage motors' current draw) (Number of Rev : 1500 rpm = 3 phases)



Standartlar / Standards					TS EN 60947-3, DIN, VDE 0660, IEC 947							
Boyut / Size					B0		B1		B2			
Şalter Kodu / Switch code					Tip /Type		MB/MS.....006		YPT.....010		YPT.....016	
İzolasyon Gerilimi / Isolation Voltage : Ui					V		450		450		500	
İşletme Gerilimi / Operation Voltage : Ue					V.AC.		230 / 400		230 / 400		230 / 400	
Frekans / Frequence					Hz		50.....60		50.....60		50.....60	
Darbe Gerilimi / Stroke Voltage : Uimp					kV		4		4		4	
Nominal Akım / Nominal Current : Ie					A		6		10		16	
Nominal Termik Akımı / Nominal Thermal Current : Ith (AC)					A		10		16		20	
Kısa Devre Koruma Akımı / Short circuit protection Current (gL Sigorta ile Testte Geçen Değer) (Value Tested with gL Fuse)					kA		6		6		6	
Max.Sigorta Değeri (gL) / Max. Fuse Value (gL)					A		10		16		20	
Çalışma Ömrü / Operation Life												
Mekanik / Mechanical					Çevrim Operations		1 Milyon 1M		1 Milyon 1M		750 Bin 750K	
Elektrik (400V.AC.) / Electrical (400V.AC.)					Çevrim Operations		50 Bin 50K		50 Bin 50K		50 Bin 50K	
Manevra Kabiliyeti -1Saatte / Maneuvering Capability - per hour					1/h		1/3 sn/sec (1200)		1/3 sn/sec (1200)		1000	
Sıcaklık / Medium Temperature					°C		- 20' den + 60' a Kadar / from -20 to +60					
Bağlantı Vidası / Connection Screw							M2,5		M3		M4	
Kablo Bağlantısı (Kesit) / Cable Connection (Section)												
Tek Damarlı ve Çok Damarlı / Single Vessel and Multi-vessel (Kablo Papuçsuz) / Without cable shoe					mm ²		2x(0,75-1) 1x1,5		2x(1-1,5) 1x2,5		2x(1-2,5) 1x4	
Kablo Papuçları / Cable shoes					mm ²		-		-		2,5	
Elektriki Yükleme / Electric Loading												
AC23 : Sincap Kafesli Motor, Direkt Kalkış Yükte Devreye Alma, Yıldız-Üçgen Şalter Squirrel Cage Motor; Direct Start, To Put into Circuit Under Load, Star-Delta Switch Motor ve Diğer Yüksek İndüktif Yüklerin Sık Aralıklarla Devreye Alınması. Putting Into Operation Frequently the Motor and the other High Inductive Loads							AC23		AC23		AC23	
Ue:230V. Ue:380/400V. Ue:500/660V.					kW		1		1,5		2	
					kW		2,2		3		5	
					kW		-		-		7,5	
Ie:400V.Kadar.					A		4		6,6		11,5	
AC21 : Az Aşırı Yükte, Rezistif Yüklerin Kumandası. At underload, resistive loads Control Kullanma Kategorisi / Usage Category							AC21		AC21		AC21	
Nominal Güç..... / Nominal Power Ue:230V.					kW		2		3		4	
Ue:380/400V.					kW		4,4		6		9	
Nominal Çalışma Akımı Nominal Operation Current V. Ie: Up to 400 V					A		6		10		16	
Kullanma Sınıfı Class of Use		I/Ie	U/Ue	CosQ	Çevrim							
AC21A AC21B		1,5	1,05	0,95	5							
AC22A AC22B		3	1,05	0,95	5							
AC23A AC23B		10	1,05	0,95	5(10xIe)		A		60		100	
					3(10xIe)		A		-		-	



TS EN 60947-3, DIN, VDE 0660, IEC 947

TS EN 60947-3, DIN, VDE 0660, IEC 947								
B2	B3				B4			
YPT.....025	YPT.032/040	YPT.....063	YPT.....100	YPT.....125	YPT.....160	NP.....200	NP.....250	NP.....315
660	660	660	660	660	660	660	660	660
230 / 400	230 / 400	230 / 400	230 / 400	230 / 400	230 / 400	230 / 400	230 / 400	230 / 400
50.....60	50.....60	50.....60	50.....60	50.....60	50.....60	50.....60	50.....60	50.....60
4	4	4	4	4	6	6	6	6
25	32/40	63	100	125	160	200	250	315
30	45	70	120	140	170	215	260	330
6	6	6	6	6	6	6	6	6
32	50	80	125	160	200	250	250	315
750 Bin 750K 50 Bin 50K	500 Bin 500K 50 Bin 50K	500 Bin 500K 50 Bin 50K	500 Bin 500K 50 Bin 50K	500 Bin 500K 50 Bin 50K	500 Bin 500K 50 Bin 50K	500 Bin 500K 50 Bin 50K	500 Bin 500K 50 Bin 50K	500 Bin 500K 50 Bin 50K
1000	2/6sn/sec(600)	2/6sn/sec(600)	2/6sn/sec(600)	2/6sn/sec(600)	2/6sn/sec(600)	2/6sn/sec(600)	2/6sn/sec(600)	2/6sn/sec(600)
- 20' den + 60' a Kadar / from -20 to +60								
M4	M5	M5	M5	M5	M8	M8	M8	M8
2x(1-4) 1x6	2x(2,5-6) 1x10	2x(4-16) 25mm Kadar / Up to 25mm	2x(6-25) 35mm Kadar / Up to 35mm	2x(6-25) 50mm Kadar / Up to 50mm	2x(10-25) 70mm Kadar / Up to 70mm	2x(10-35) 95mm Kadar / Up to 95mm	2x(16-50) 120mm Kadar / Up to 120mm	2x(95) 150mm Kadar / Up to 150mm
4	10	16	25	35	50	70	95	2x70
AC23	AC23	AC23	AC23	AC23	AC23	AC23	AC23	AC23
2,6 8 11	4,4 17 15	9 21 21	14 37 33	17 40 37	- 45 47	- 47 50	- 50 55	- 55 57
18	30	45	75	93	105	110	117	130
AC21	AC21	AC21	AC21	AC21	AC21	AC21	AC21	AC21
6 15	11 25	14 30	25 50	30 59	37 63	50 80	55 90	60 110
25	40	63	100	125	160	200	250	315
250	320/400	630	1000	-	-	-	-	-
-	-	-	-	1250	1600	2000	2500	3150



Y P T 1 0 1 0 1 0

Seri Kodu / Serial Code

N: Normal
Y: Yeni

Model / Model

PT : Pano Modeli / Standard type
KL : Kilitli Modeli / Padlock Type
GT : Geniş Çerçeve Modeli / Wide Type
ET : Etiketli Model / Labelled Type

Kutup Sayısı / Count of Pole

1, 2, 3, 4, 5, 6, 7 Faz veya Kutuplu / Phase or Pole

Tanıtm Numarası, Devredeki Görevi / Function in circuit

01 : Açma - Kapama, Pako / On - Off
02 : Yıldız - Üçgen / Star Delta
04 : Enversör / Reversing
05 : Kutup Değiştirici / Changeover
06 : Kutup Değiştirici+Aç-Kapa / Changeover+On-Off
08 : Çift Devirli Tek Yönlü / 2 Speed single winding
09 : Çift Devirli Çift Yönlü / 2 Speed Single Winding(reversing)
10 : Kilitli Emniyet Mekanizmalı / Doorlock Safety

12 : 2 Kademeli Sıfırlı / 2 Steps with "0"
13 : 3 Kademeli Sıfırlı / 3 Steps with "0"
14 : 4 Kademeli Sıfırlı / 4 Steps with "0"
15 : 5 Kademeli Sıfırlı / 5 Steps with "0"
16 : 6 Kademeli Sıfırlı / 6 Steps with "0"
17 : 7 Kademeli Sıfırlı / 7 Steps with "0"

22 : 2 Kademeli Sıfırsız / 2 Steps without "0"
23 : 3 Kademeli Sıfırsız / 3 Steps without "0"
24 : 4 Kademeli Sıfırsız / 4 Steps without "0"
25 : 5 Kademeli Sıfırsız / 5 Steps without "0"
26 : 6 Kademeli Sıfırsız / 6 Steps without "0"
27 : 7 Kademeli Sıfırsız / 7 Steps without "0"
28 : 8 Kademeli Sıfırsız / 8 Steps without "0"

32 : Yıldız - 0 - Üçgen / Star - 0 - Delta
33 : Yıldız Üçgen Enversör / Star Delta Reversing
44 : 0 - Start / 0 - Start
45 : 0 - Stop / 0 - Stop
46 : Stop - 0 - Start / Stop - 0 - Start
47 : Start1 - 0 - Start2 / Start1 - 0 - Start2

VD : Vidalı / with screw
AK : Aç - Kapa / with on-off
Ç1 : Çift Devirli Enversör / 2 speed reversing
Ç2 : Çift Yön / Double winding
G1...G3 : Gazaltı Kademe / MIG/MAG Welding Step
V1...V6 : Voltmetre Komutatorü / Voltmeter Selector
A1 , A2 : Ampermetre Komutatorü / Ammeter Selector

Anma Akımı / Amperage

(6,8,10,16,20,25,32,40,50,63,80,100,115,125,160,200,250,315)A

K : Kademeli Komutator / Step Commutator
Ş : Kademeli Şebekeli / Step with aux. winding
S : Enversör Yardımcı Sargılı / Reversing switch with aux. winding
Y : Brülör Yağ Şalter / Burner Oil Switch

Örnek / Example :

YPT1 01 010

**1 Faz 10 Amper Açma - Kapama Şalteri
1 Phase 10A On-Off Switch**



BAĞLANTI ŞEMASI CONNECTION DIAGRAM

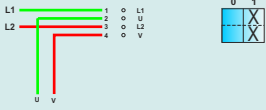
ÖN GÖRÜNÜŞ FRONT

ÇERÇEVE FRAME

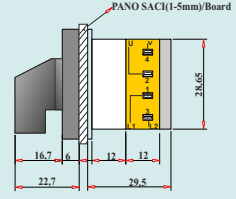
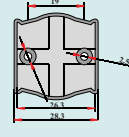
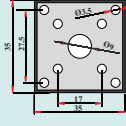
ALT KAPAK BOTTOM

YANDAN GÖRÜNÜŞ SIDE

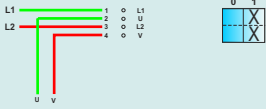
1.1 - MİNİK BOY (6A/8A/10A) 1 VE 2 FAZ AÇMA - KAPAMA MINI SIZE (6A/8A/10A) 1 AND 2 PHASE ON - OFF



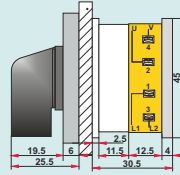
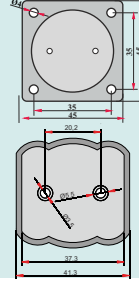
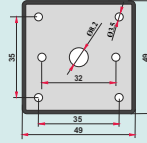
YPM1 01 006/008/010
YPM2 01 006/008/010



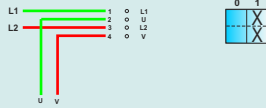
1.2 - KÜÇÜK BOY (10A) 1 VE 2 FAZ AÇMA - KAPAMA SMALL SIZE (10A) 1 AND 2 PHASE ON - OFF



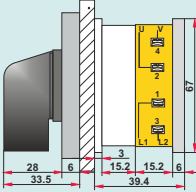
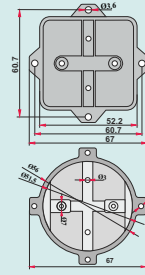
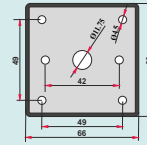
YPT1 01 010
YPT2 01 010



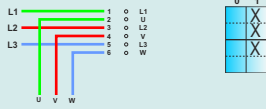
1.3 - ORTA BOY (16A/20A/25A/32A) 1 VE 2 FAZ AÇMA - KAPAMA MEDIUM SIZE (16A/20A/25A/32A) 1 AND 2 PHASE ON - OFF



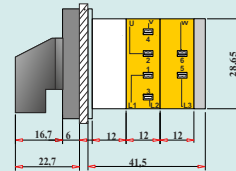
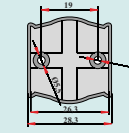
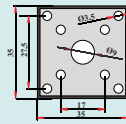
YPT1 01 016/020/025/032
YPT2 01 016/020/025/032



1.4 - MİNİK BOY (6A/8A/10A) 3 FAZ AÇMA - KAPAMA MINI SIZE (6A/8A/10A) 3 PHASE ON - OFF



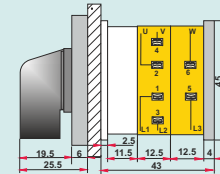
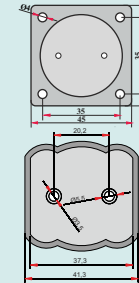
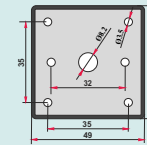
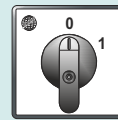
YPM3 01 006/008/010



1.5 - KÜÇÜK BOY (10A) 3 FAZ AÇMA - KAPAMA SMALL SIZE (10A) 3 PHASE ON - OFF



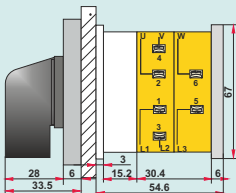
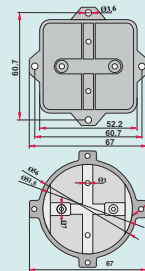
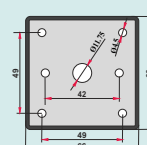
YPT3 01 010



1.6 - ORTA BOY (16A/20A/25A/32A) 3 FAZ AÇMA - KAPAMA MEDIUM SIZE (16A/20A/25A/32A) 3 PHASE ON - OFF



YPT3 01 016/020/025/032



BAĞLANTI ŞEMASI CONNECTION DIAGRAM

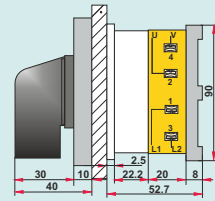
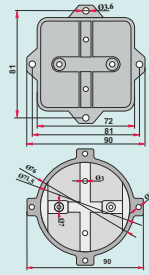
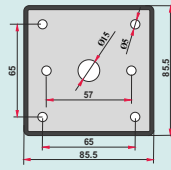
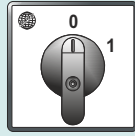
ÖN GÖRÜNÜŞ FRONT

ÇERÇEVE FRAME

ALT KAPAK BOTTOM

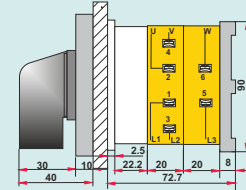
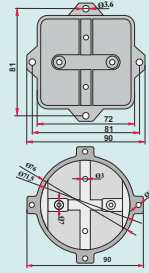
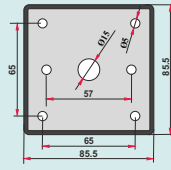
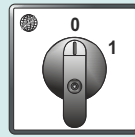
YANDAN GÖRÜNÜŞ SIDE

1.7 - BÜYÜK BOY (40A/50A/63A/80A) 1 VE 2 FAZ AÇMA - KAPAMA LARGE SIZE (40A/50A/63A/80A) 1 AND 2 PHASE ON - OFF



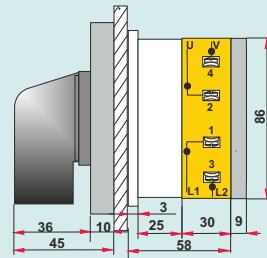
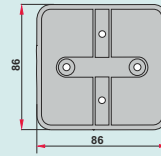
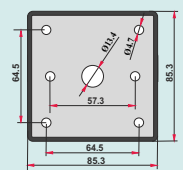
YPT1 01 040/050/063/080
YPT2 01 040/050/063/080

1.8 - BÜYÜK BOY (40A/50A/63A/80A) 3 FAZ AÇMA - KAPAMA LARGE SIZE (40A/50A/63A/80A) 3 PHASE ON - OFF



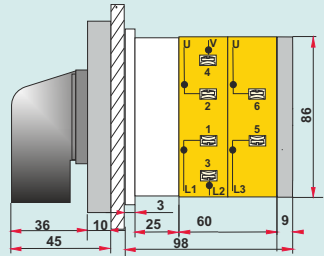
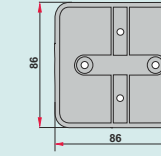
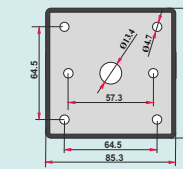
YPT3 01 040/050/063/080

1.9 - BÜYÜK KARE TİP (100A/125A/160A/200A) 1 VE 2 FAZ AÇMA - KAPAMA LARGE SQUARE TYPE (100A/125A/160A/200A) 1 AND 2 PHASE ON - OFF



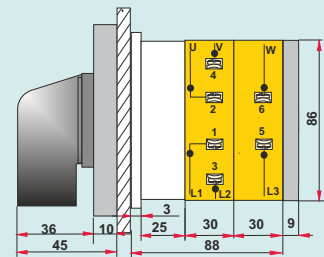
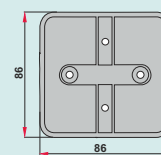
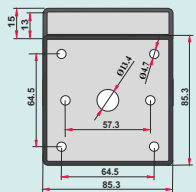
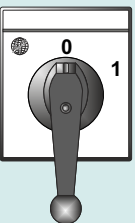
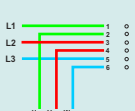
YPT1 01 100/125/160/200
YPT2 01 100/125/160/200

1.10 - BÜYÜK KARE TİP (100A/125A/160A/200A) 3 FAZ AÇMA - KAPAMA LARGE SQUARE TYPE (100A/125A/160A/200A) 3 PHASE ON - OFF



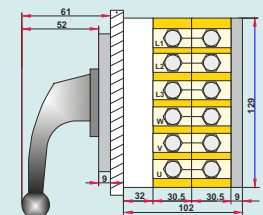
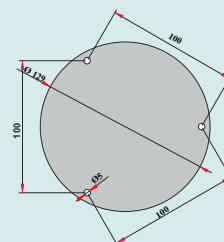
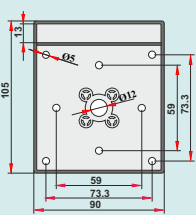
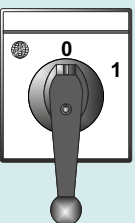
YPT3 01 100/125/160/200

1.11 - BÜYÜK KARE TİP (250A/315A) 1 VE 3 FAZ AÇMA - KAPAMA LARGE SQUARE TYPE (250A/315A) 1 AND 3 PHASE ON - OFF



YPT1 01 250/315
YPT2 01 250/315

1.12 - YUVARLAK TİP (250A/315A) 1 VE 3 FAZ AÇMA - KAPAMA ROUND SIZE (250A/315A) 1 AND 3 PHASE ON - OFF



YPT3 01 250/315

BAĞLANTI ŞEMASI CONNECTION DIAGRAM

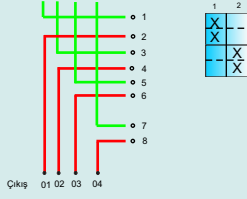
ÖN GÖRÜNÜŞ FRONT

ÇERÇEVE FRAME

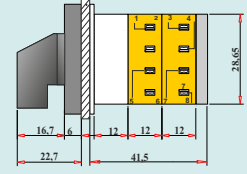
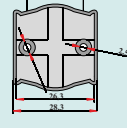
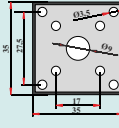
ALT KAPAK BOTTOM

YANDAN GÖRÜNÜŞ SIDE

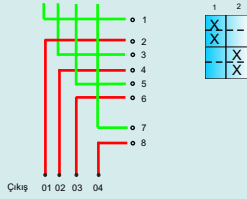
1.13 - MİNİK BOY (6A/8A/10A) 2 AÇ - 2 KAPA MINI SIZE (6A/8A/10A) 2 ON - 2 OFF



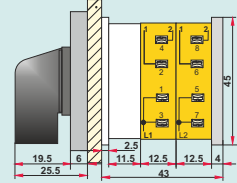
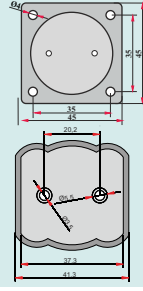
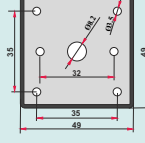
YAK2 006/008/010



1.14 - KÜÇÜK BOY (10A) 2 AÇ 2 KAPA SMALL SIZE (10A) 2 ON- 2OFF



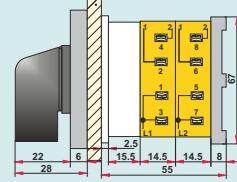
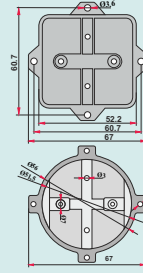
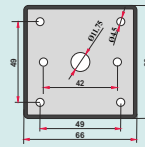
YAK2 010



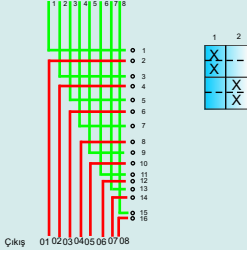
1.15 - ORTA BOY (16A/20A/25A/32A) 2 AÇ - 2 KAPA MEDIUM SIZE (16A/20A/25A/32A) 2 ÖN- 2 OFF



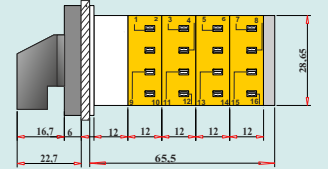
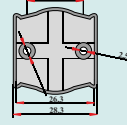
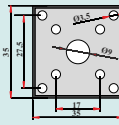
YAK2 016/020/025/032



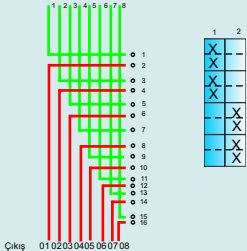
1.16 - MİNİK BOY (6A/8A/10A) 4 AÇ - 4 KAPA MINI SIZE (6A/8A/10A) 4 ON- 4 OFF



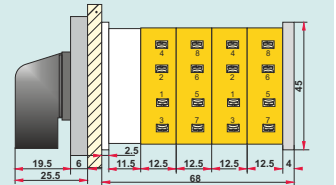
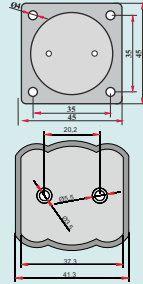
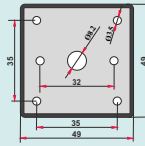
YAK4 01 006/008/010



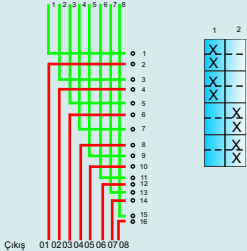
1.17 - KÜÇÜK BOY (10A) 4 AÇ - 4 KAPA SMALL SIZE (10A) 4 ON- 4 OFF



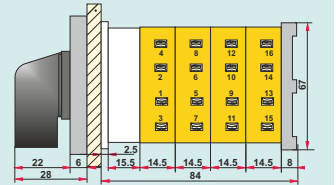
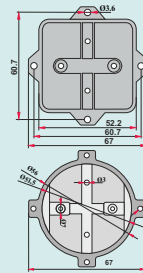
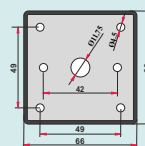
YAK4 01 010



1.18 - ORTA BOY (16A/20A/25A/32A) 4 AÇ - 4 KAPA MEDIUM SIZE (16A/20A/25A/32A) 4 ÖN- 4 OFF



YAK4 01 016/020/025/032





KİLİTLİ EMNİYET MEKANİZMALI ŞALTERLER DOORLOCK SAFETY SWITCH

BAĞLANTI ŞEMASI
CONNECTION DIAGRAM

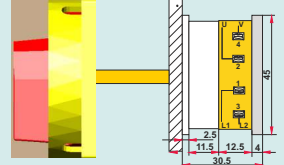
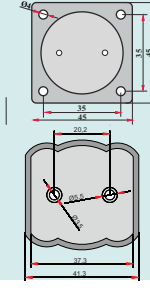
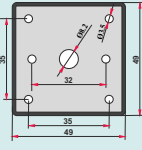
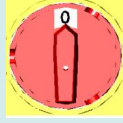
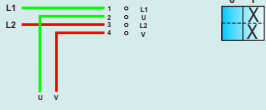
ÖN GÖRÜNÜŞ
FRONT

ÇERÇEVE
FRAME

ALT KAPAK
BOTTOM

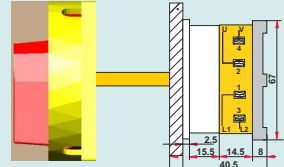
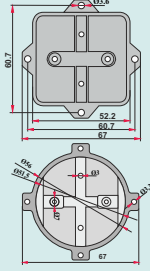
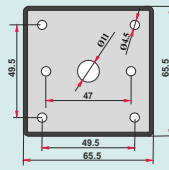
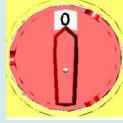
YANDAN GÖRÜNÜŞ
SIDE

2.1 - KÜÇÜK BOY (10A) 1 VE 2 FAZ KİLİTLİ EMNİYET MEKANİZMALI ŞALTER
SMALL SIZE (10A) 1 AND 2 PHASE DOORLOCK SAFETY SWITCH



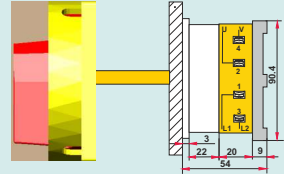
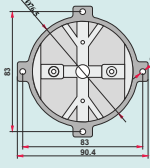
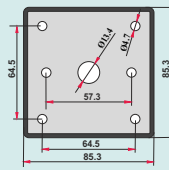
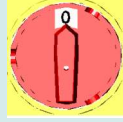
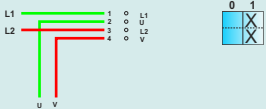
YPT1 10 010
YPT2 10 010

2.2 - ORTA BOY (16A/20A/25A/32A) 1 VE 2 FAZ KİLİTLİ EMNİYET MEKANİZMALI ŞALTER
MEDIUM SIZE (16A/20A/25A/32A) 1 AND 2 PHASE DOORLOCK SAFETY SWITCH



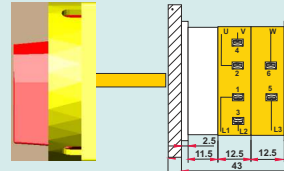
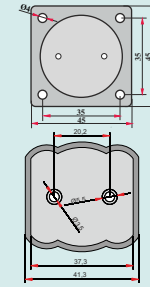
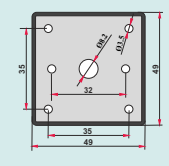
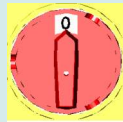
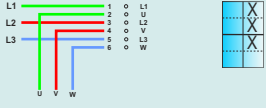
YPT1 10 016/020/025/032
YPT2 10 016/020/025/032

2.3 - BÜYÜK BOY (40A/50A/63A/80A) 1 VE 2 FAZ KİLİTLİ EMNİYET MEKANİZMALI ŞALTER
LARGE SIZE (40A/50A/63A/80A) 1 AND 2 PHASE DOORLOCK SAFETY SWITCH



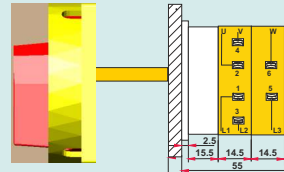
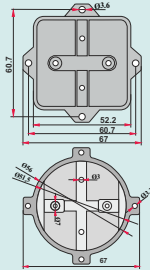
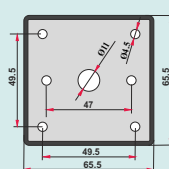
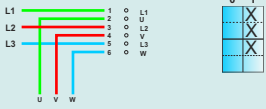
YPT1 10 040/050/063/080
YPT2 10 040/050/063/080

2.4 - KÜÇÜK BOY (10A) 3 FAZ KİLİTLİ EMNİYET MEKANİZMALI ŞALTER
SMALL SIZE (10A) 3 PHASE DOORLOCK SAFETY SWITCH



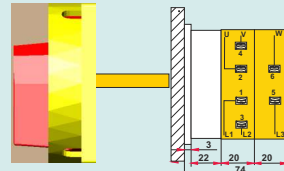
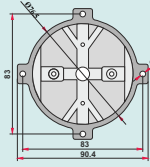
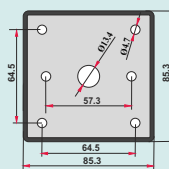
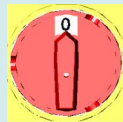
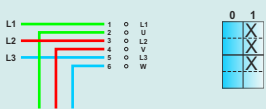
YPT3 10 010

2.5 - ORTA BOY (16A/20A/25A/32A) 3 FAZ KİLİTLİ EMNİYET MEKANİZMALI ŞALTER
MEDIUM SIZE (16A/20A/25A/32A) 3 PHASE DOORLOCK SAFETY SWITCH

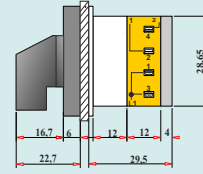
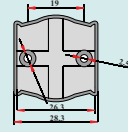
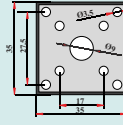


YPT3 10 016/020/025/032

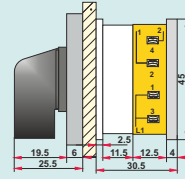
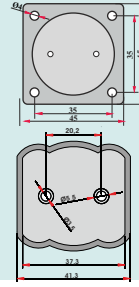
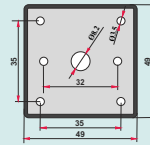
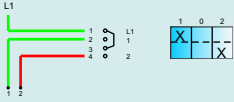
2.6 - BÜYÜK BOY (40A/50A/63A/80A) 3 FAZ KİLİTLİ EMNİYET MEKANİZMALI ŞALTER
LARGE SIZE (40A/50A/63A/80A) 3 PHASE DOORLOCK SAFETY SWITCH



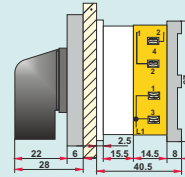
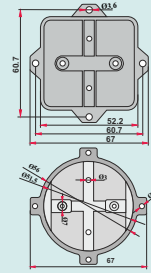
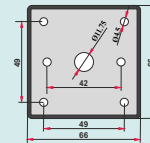
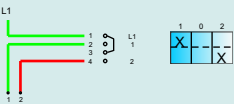
YPT3 10 040/050/063/080

BAĞLANTI ŞEMASI
CONNECTION DIAGRAMÖN GÖRÜNÜŞ
FRONTÇERÇEVE
FRAMEALT KAPAK
BOTTOMYANDAN GÖRÜNÜŞ
SIDE3.1-MİNİK BOY (6A/8A/10A) 1 FAZ KUTUP DEĞİŞTİRİCİ
MINI SIZE (6A/8A/10A) 1 PHASE CHANGE-OVER

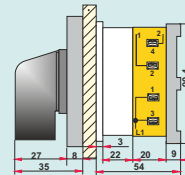
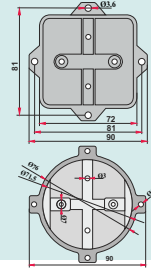
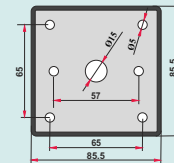
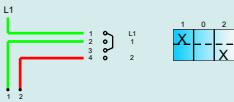
YPM1 05 006/008/010

3.2-KÜÇÜK BOY (10A) 1 FAZ KUTUP DEĞİŞTİRİCİ
SMALL SIZE (10A) 1 PHASE CHANGE-OVER

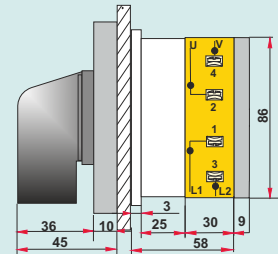
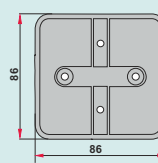
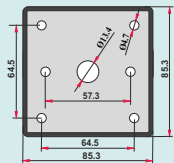
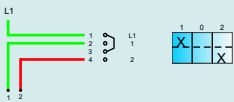
YPT1 05 010

3.3-ORTA BOY (16A/20A/25A/32A) 1 FAZ KUTUP DEĞİŞTİRİCİ
MEDIUM SIZE (16A/20A/25A/32A) 1 PHASE CHANGE-OVER

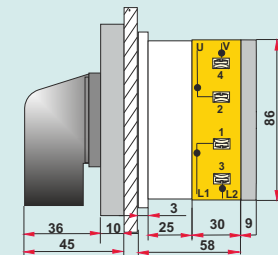
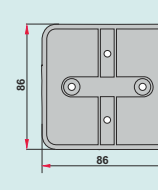
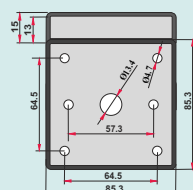
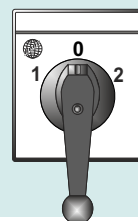
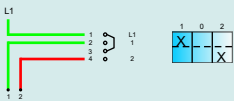
YPT1 05 016/020/025/032

3.4-BÜYÜK BOY (40A/50A/63A/80A) 1 FAZ KUTUP DEĞİŞTİRİCİ
LARGE SIZE (40A/50A/63A/80A) 1 PHASE CHANGE-OVER

YPT1 05 040/050/063/080

3.5-BÜYÜK KARE TİP (100A/125A/160A/200A) 1 FAZ KUTUP DEĞİŞTİRİCİ
LARGE SQUARE TYPE (100A/125A/160A/200A) 1 PHASE CHANGE-OVER

YPT1 05 100/125/160/200

3.6-BÜYÜK KARE TİP (250A/315A) 1 FAZ KUTUP DEĞİŞTİRİCİ
LARGE SQUARE TYPE (250A/315A) 1 PHASE CHANGE-OVER

YPT1 05 250/315



BAĞLANTI ŞEMASI CONNECTION DIAGRAM

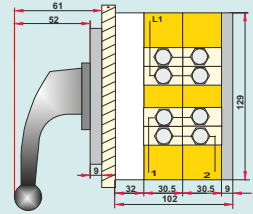
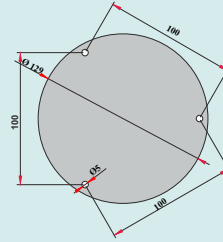
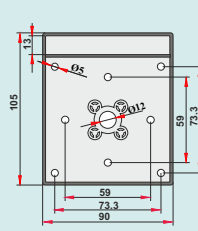
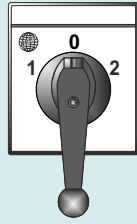
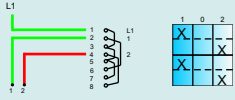
ÖN GÖRÜNÜŞ FRONT

ÇERÇEVE FRAME

ALT KAPAK BOTTOM

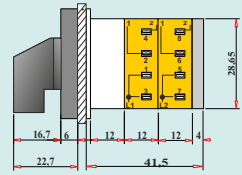
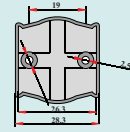
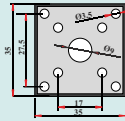
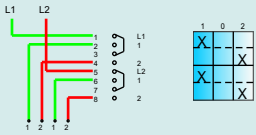
YANDAN GÖRÜNÜŞ SIDE

3.7-YUVARLAK TİP (250A/315A) 1 FAZ KUTUP DEĞİŞTİRİCİ ROUND TYPE (250A/315A) 1 PHASE CHANGE-OVER



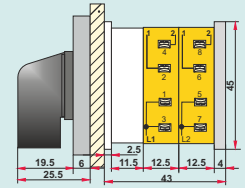
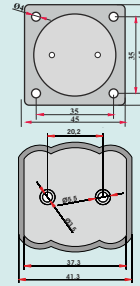
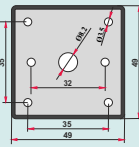
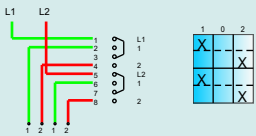
YPT1 05 250/315

3.8-MİNİK BOY (6A/8A/10A) 2 FAZ KUTUP DEĞİŞTİRİCİ MINI SIZE (6A/8A/10A) 2 PHASE CHANGE-OVER



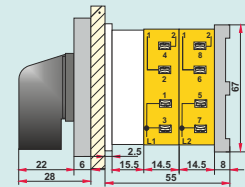
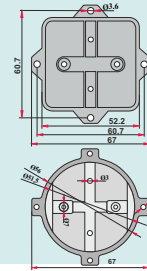
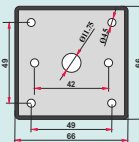
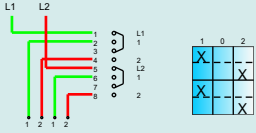
YPM2 05 006/008/010

3.9-KÜÇÜK BOY (10A) 2 FAZ KUTUP DEĞİŞTİRİCİ SMALL SIZE (10A) 2 PHASE CHANGE-OVER



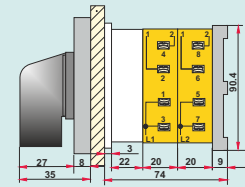
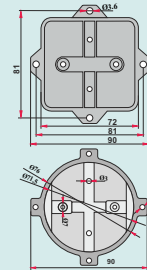
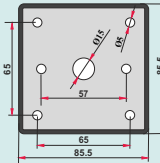
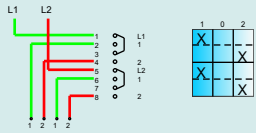
YPT2 05 010

3.10-ORTA BOY (16A/20A/25A/32A) 2 FAZ KUTUP DEĞİŞTİRİCİ MEDIUM SIZE (16A/20A/25A/32A) 2 PHASE CHANGE-OVER



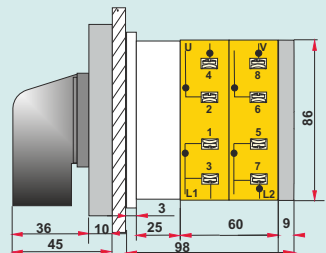
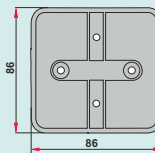
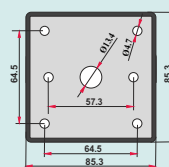
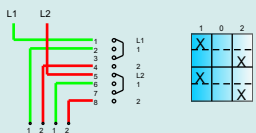
YPT2 05 016/020/025/032

3.11-BÜYÜK BOY (40A/50A/63A/80A) 2 FAZ KUTUP DEĞİŞTİRİCİ LARGE SIZE (40A/50A/63A/80A) 2 PHASE CHANGE-OVER



YPT2 05 040/050/063/080

3.12-BÜYÜK KARE TİP (100A/125A/160A/200A) 2 FAZ KUTUP DEĞİŞTİRİCİ LARGE SQUARE TYPE (100A/125A/160A/200A) 2 PHASE CHANGE-OVER



YPT2 05 100/125/160/200

BAĞLANTI ŞEMASI
CONNECTION DIAGRAM

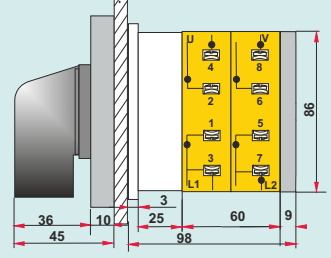
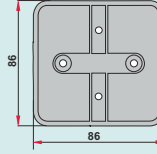
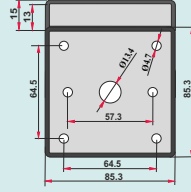
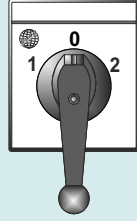
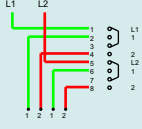
ÖN GÖRÜNÜŞ
FRONT

ÇERÇEVE
FRAME

ALT KAPAK
BOTTOM

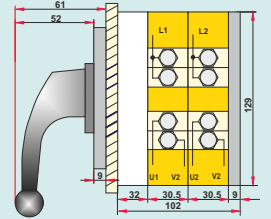
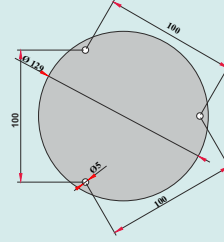
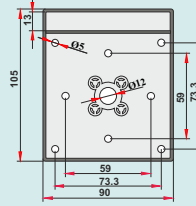
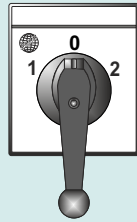
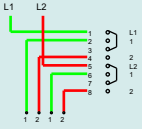
YANDAN GÖRÜNÜŞ
SIDE

3.13-BÜYÜK KARE TİP (250A/315A) 2 FAZ KUTUP DEĞİŞTİRİCİ
LARGE SQUARE TYPE (250A/315A) 2 PHASE CHANGE-OVER



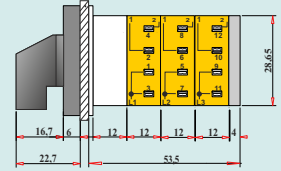
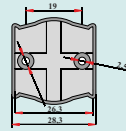
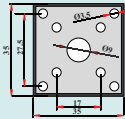
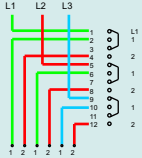
YPT2 05 250/315

3.14-YUVARLAK TİP (250A/315A) 2 FAZ KUTUP DEĞİŞTİRİCİ
ROUND TYPE (250A/315A) 2 PHASE CHANGE-OVER



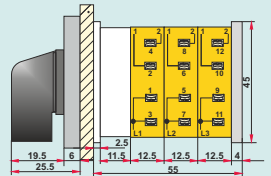
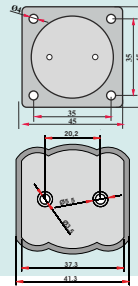
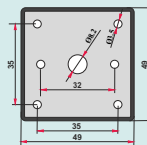
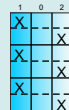
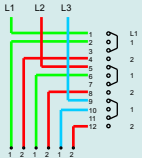
YPT2 05 250/315

3.15- MİNİK BOY (6A/8A/10A) 3 FAZ KUTUP DEĞİŞTİRİCİ
MINI SIZE(6A/8A/10A) 3 PHASE CHANGE-OVER



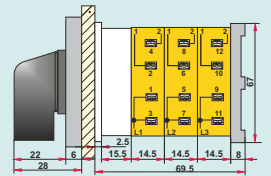
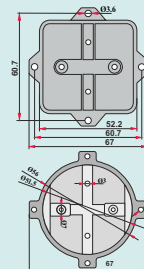
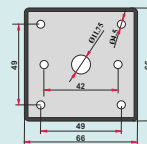
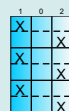
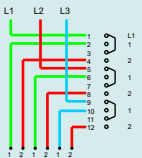
YPM3 05 006/008/010

3.16- KÜÇÜK BOY (10A) 3 FAZ KUTUP DEĞİŞTİRİCİ
SMALL SIZE (10A) 3 PHASE CHANGE-OVER



YPT3 05 010

3.17- ORTA BOY (16A/20A/25A/32A) 3 FAZ KUTUP DEĞİŞTİRİCİ
MEDIUM SIZE (16A/20A/25A/32A) 3 PHASE CHANGE-OVER



YPT3 05 016/020/025/032



BAĞLANTI ŞEMASI CONNECTION DIAGRAM

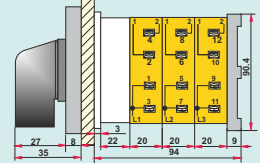
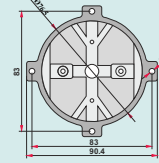
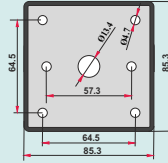
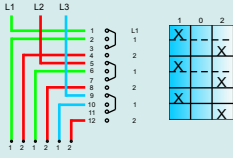
ÖN GÖRÜNÜŞ FRONT

ÇERÇEVE FRAME

ALT KAPAK BOTTOM

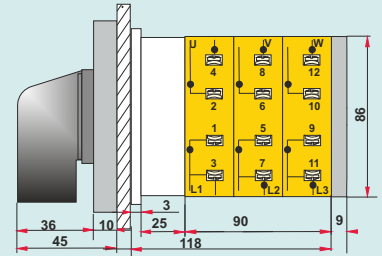
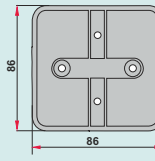
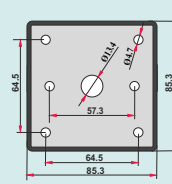
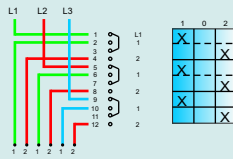
YANDAN GÖRÜNÜŞ SIDE

3.18- BÜYÜK BOY (40A/50A/63A/80A) 3 FAZ KUTUP DEĞİŞTİRİCİ LARGE SIZE (40A/50A/63A/80A) 3 PHASE CHANGE-OVER



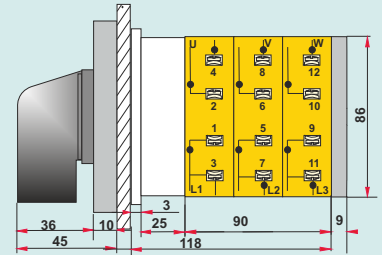
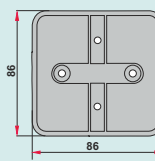
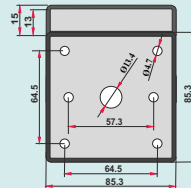
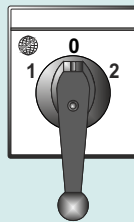
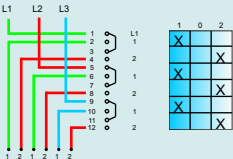
YPT3 05 040/050/063/080

3.19-BÜYÜK KARE TİP (100A/125A/160A/200A) 3 FAZ KUTUP DEĞİŞTİRİCİ LARGE SQUARE TYPE (100A/125A/160A/200A) 3 PHASE CHANGE-OVER



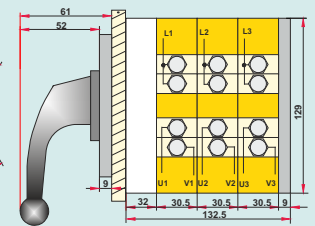
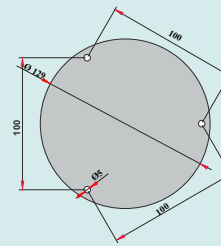
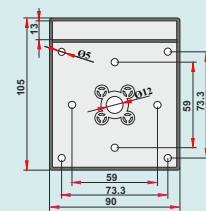
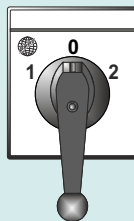
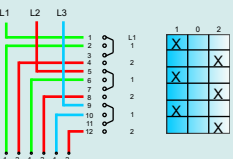
YPT3 05 100/125/160/200

3.20- BÜYÜK KARE TİP (250A/315A) 3 FAZ KUTUP DEĞİŞTİRİCİ LARGE SQUARE TYPE (250A/315A) 3 PHASE CHANGE-OVER



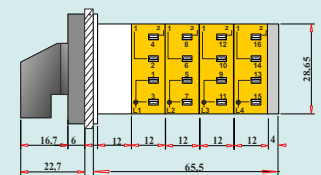
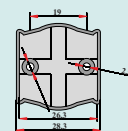
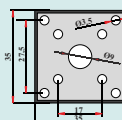
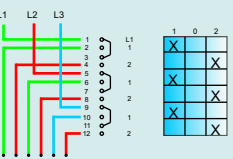
YPT3 05 250/315

3.21-YUVARLAK TİP (250A/315A) 3 FAZ KUTUP DEĞİŞTİRİCİ ROUND TYPE (250A/315A) 3 PHASE CHANGE-OVER

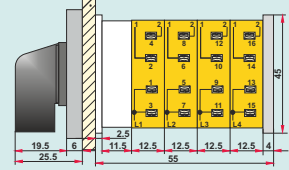
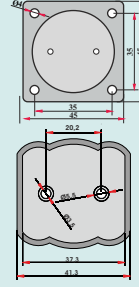
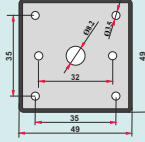
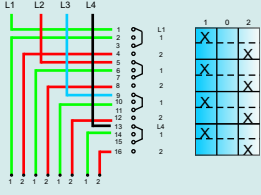


YPT3 05 250/315

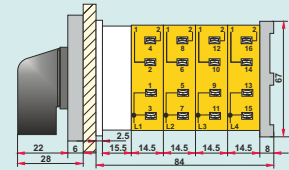
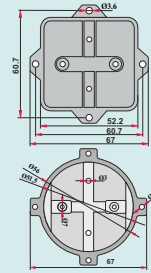
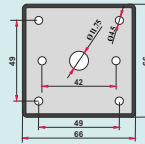
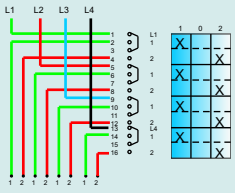
3.22-MİNİK BOY (6A/8A/10A) 4 FAZ KUTUP DEĞİŞTİRİCİ MINI SIZE (6A/8A/10A) 4 PHASE CHANGE-OVER



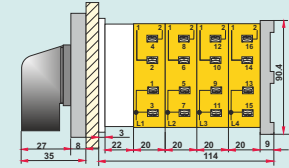
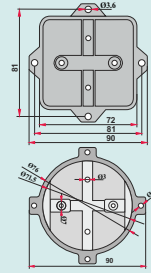
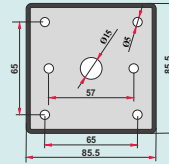
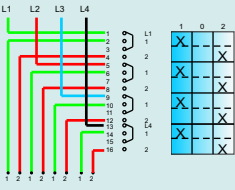
YPM4 05 006/008/010

BAĞLANTI ŞEMASI
CONNECTION DIAGRAMÖN GÖRÜNÜŞ
FRONTÇERÇEVE
FRAMEALT KAPAK
BOTTOMYANDAN GÖRÜNÜŞ
SIDE3.23-KÜÇÜK BOY (10A) 4 FAZ KUTUP DEĞİŞTİRİCİ
SMALL SIZE (10A) 4 PHASE CHANGE-OVER

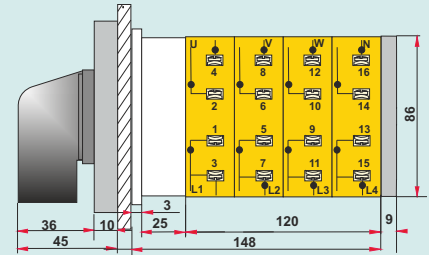
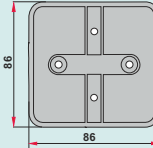
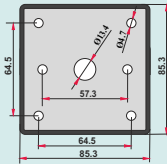
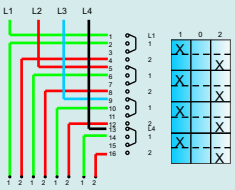
YPT4 05 010

3.24-ORTA BOY (16A/20A/25A/32A) 4 FAZ KUTUP DEĞİŞTİRİCİ
MEDIUM SIZE (16A/20A/25A/32A) 4 PHASE CHANGE-OVER

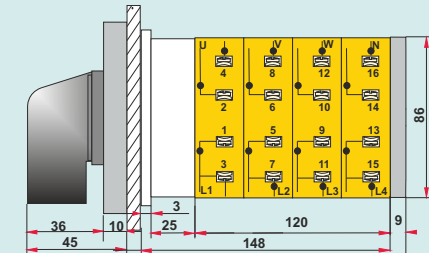
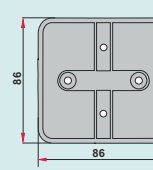
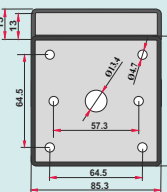
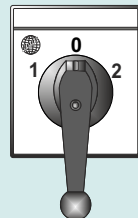
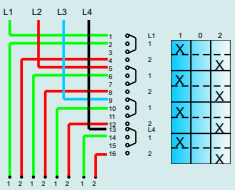
YPT4 05 016/020/025/032

3.25-BÜYÜK BOY (40A/50A/63A/80A) 4 FAZ KUTUP DEĞİŞTİRİCİ
MEDIUM SIZE (40A/50A/63A/80A) 4 PHASE CHANGE-OVER

YPT4 05 040/050/063/080

3.26-BÜYÜK KARE TİP (100A/125A/160A/200A) 4 FAZ KUTUP DEĞİŞTİRİCİ
LARGE SQUARE TYPE (100A/125A/160A/200A) 4 PHASE CHANGE-OVER

YPT4 05 100/125/160/200

3.27-BÜYÜK KARE TİP (250A/315A) 4 FAZ KUTUP DEĞİŞTİRİCİ
LARGE SQUARE SIZE (250A/315A) 4 PHASE CHANGE-OVER

YPT4 05 250/315

BAĞLANTI ŞEMASI
CONNECTION DIAGRAM

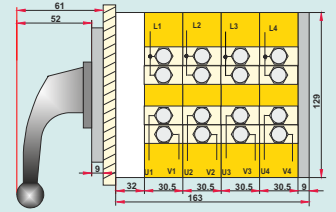
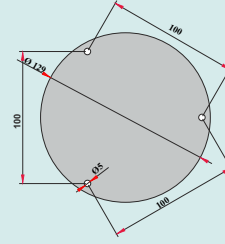
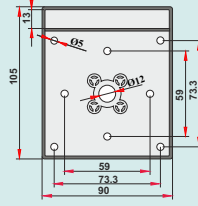
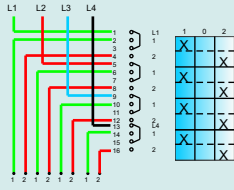
ÖN GÖRÜNÜŞ
FRONT

ÇERÇEVE
FRAME

ALT KAPAK
BOTTOM

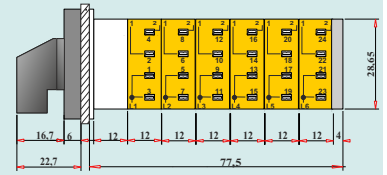
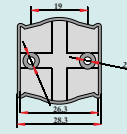
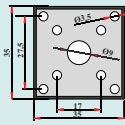
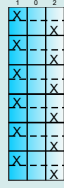
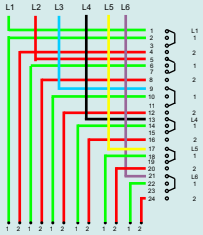
YANDAN GÖRÜNÜŞ
SIDE

3.28- YUVARLAK TİP (250A/315A) 4 FAZ KUTUP DEĞİŞTİRİCİ
ROUND TYPE (250A/315A) 4 PHASE CHANGE-OVER



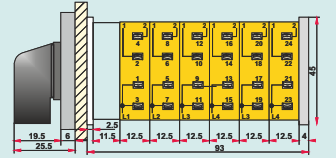
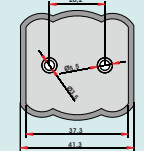
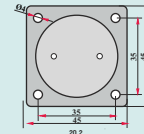
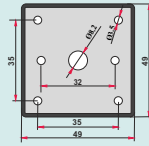
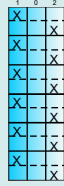
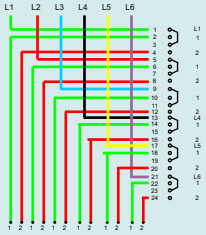
YPT4 05 250/315

3.29- MİNİK BOY (6A/8A/10A) 6 FAZ KUTUP DEĞİŞTİRİCİ
MINI SIZE (6A/8A/10A) 6 PHASE CHANGE-OVER



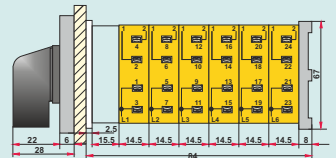
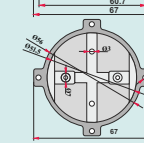
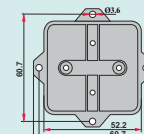
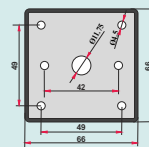
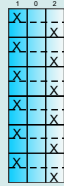
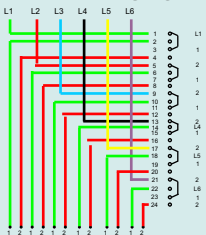
YPM6 05 006/008/010

3.30- KÜÇÜK BOY (10A) 6 FAZ KUTUP DEĞİŞTİRİCİ
SMALL SIZE (10A) 6 PHASE CHANGE-OVER



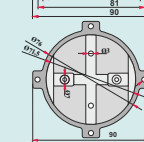
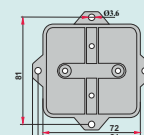
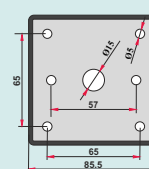
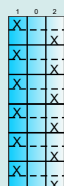
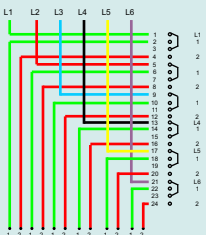
YPT6 05 010

3.31- ORTA BOY (16A/20A/25A/32A) 6 FAZ KUTUP DEĞİŞTİRİCİ
MEDIUM SIZE (16A/20A/25A/32A) 6 PHASE CHANGE-OVER

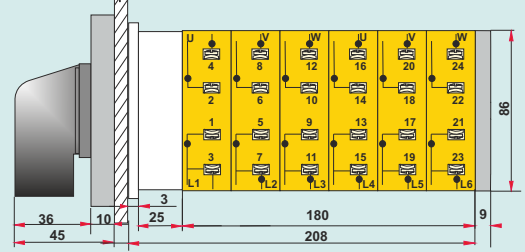
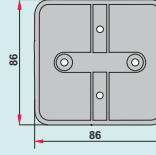
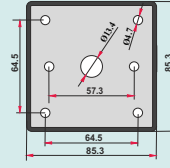
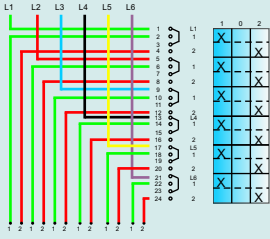


YPT6 05 016/020/025/032

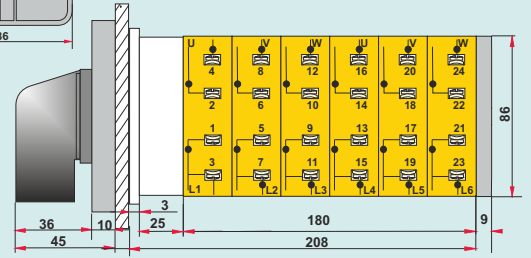
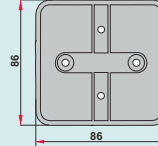
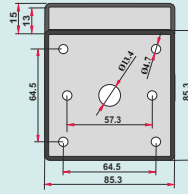
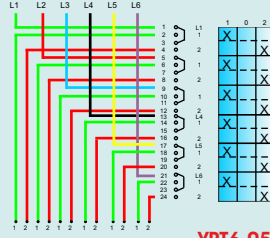
3.32- BÜYÜK BOY (40A/50A/63A/80A) 6 FAZ KUTUP DEĞİŞTİRİCİ
MEDIUM SIZE (40A/50A/63A/80A) 6 PHASE CHANGE-OVER



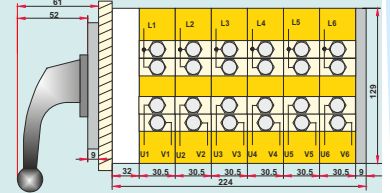
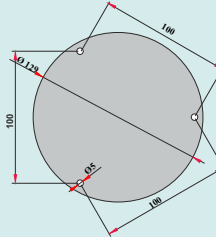
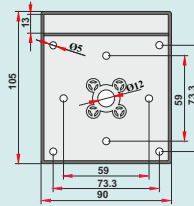
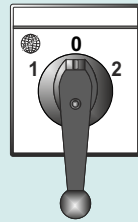
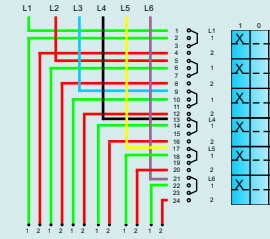
YPT6 05 040/050/063/080

BAĞLANTI ŞEMASI
CONNECTION DIAGRAMÖN GÖRÜNÜŞ
FRONTÇERÇEVE
FRAMEALT KAPAK
BOTTOMYANDAN GÖRÜNÜŞ
SIDE3.33- BÜYÜK KARE TİP (100A/125A/160A/200A) 6 FAZ KUTUP DEĞİŞTİRİCİ
LARGE SQUARE TYPE (100A/125A/160A/200A) 6 PHASE CHANGE-OVER

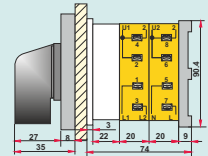
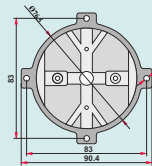
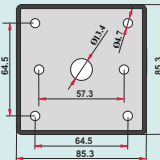
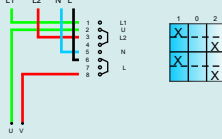
YPT6 05 100/125/160/200

3.34- BÜYÜK KARE TİP (250A/315A) 6 FAZ KUTUP DEĞİŞTİRİCİ
LARGE SQUARE TYPE (250A/315A) 6 PHASE CHANGE-OVER

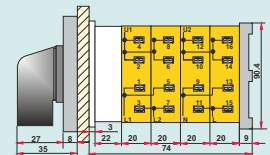
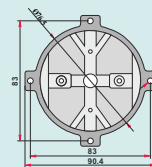
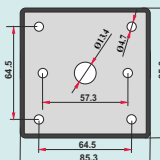
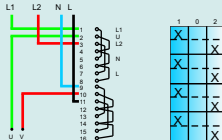
YPT6 05 250/315

3.35- YUVARLAK TİP (250A/315A) 6 FAZ KUTUP DEĞİŞTİRİCİ
ROUND TYPE (250A/315A) 6 PHASE CHANGE-OVER

YPT6 05 250/315

3.36- BÜYÜK BOY (40A/50A/63A/80A) 220/380V. KUTUP DEĞİŞTİRİCİ
LARGE SIZE (40A/50A/63A/80A) 220/380V. CHANGE-OVER

YPT2 VD 040/050/063/080

3.37- BÜYÜK BOY (100A/125A/160A/200A) 220/380V. KUTUP DEĞİŞTİRİCİ
LARGE SIZE (100A/125A/160A/200A) 220/380V. CHANGE-OVER

YPT2 VD 100/125/160/200

BAĞLANTI ŞEMASI CONNECTION DIAGRAM

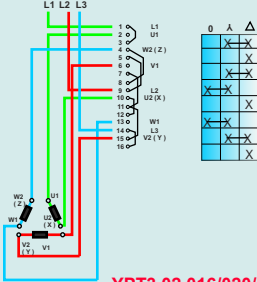
ÖN GÖRÜNÜŞ FRONT

ÇERÇEVE FRAME

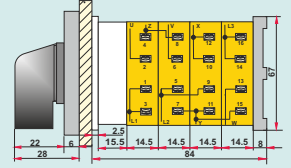
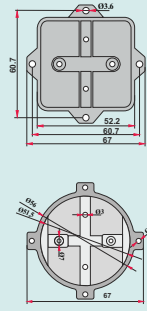
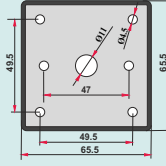
ALT KAPAK BOTTOM

YANDAN GÖRÜNÜŞ SIDE

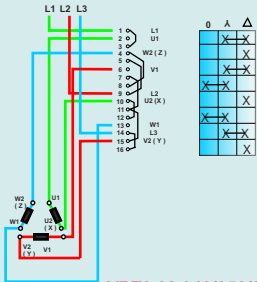
4.1-ORTA BOY (16A/20A/25A/32A) YILDIZ ÜÇGEN 0 / Y / D MEDIUM SIZE (16A/20A/25A/32A) STAR-DELTA 0 / S / D



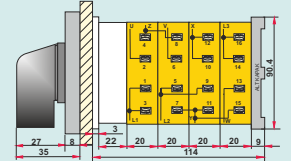
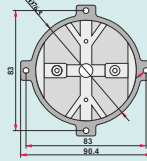
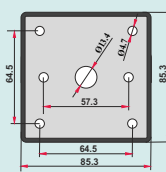
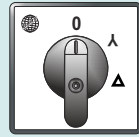
YPT3 02 016/020/025/032



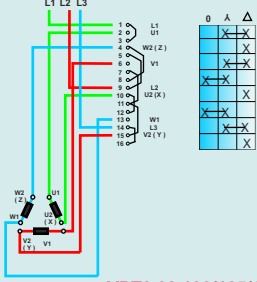
4.2-BÜYÜK BOY (40A/50A/63A/80A) YILDIZ ÜÇGEN 0 / Y / D LARGE SIZE (40A/50A/63A/80A) STAR-DELTA 0 / S / D



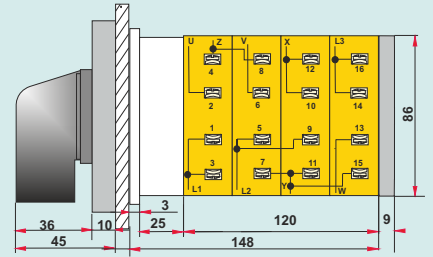
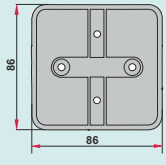
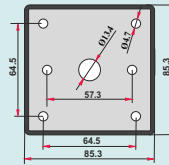
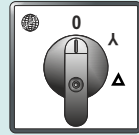
YPT3 02 040/050/063/080



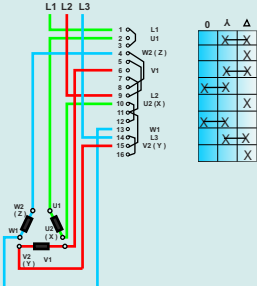
4.3-BÜYÜK BOY (100A/125A/160A/200A) YILDIZ ÜÇGEN 0 / Y / D LARGE SIZE (100A/125A/160A/200A) STAR-DELTA 0 / S / D



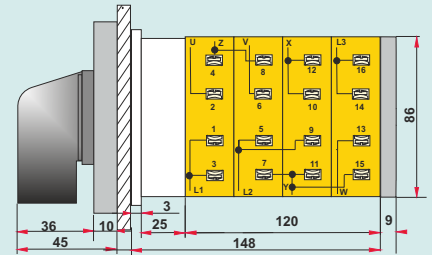
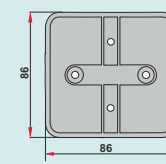
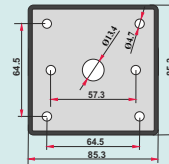
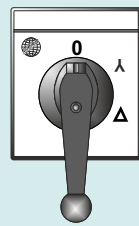
YPT3 02 100/125/160/200



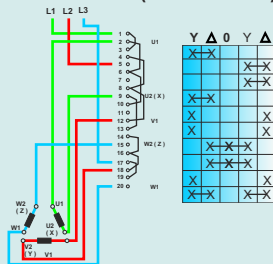
4.4- BÜYÜK KARE TİP (250A/315A) YILDIZ ÜÇGEN - 0 / Y / D LARGE SQUARE TYPE (250A/315A) STAR-DELTA - 0 / S / D



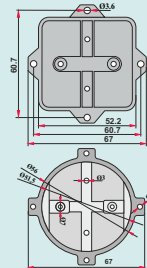
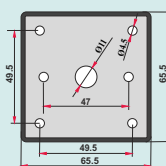
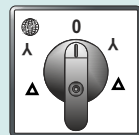
YPT3 02 250/315



4.5 ORTA BOY (32A/40A/50A) YILDIZ ÜÇGEN ENVERSÖRYİ Δ / 0 / Y / Δ MEDIUM SIZE (32A/40A/50A) REVERSIBLE STAR DELTA Y / Δ / 0 / Y / Δ



YPT3 34 032/040/050



BAĞLANTI ŞEMASI
CONNECTION DIAGRAM

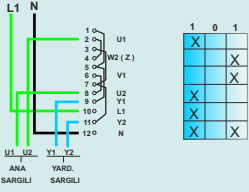
ÖN GÖRÜNÜŞ
FRONT

ÇERÇEVE
FRAME

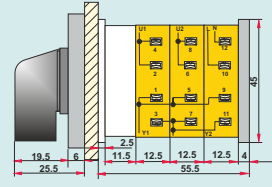
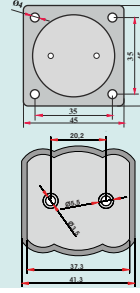
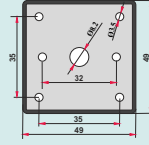
ALT KAPAK
BOTTOM

YANDAN GÖRÜNÜŞ
SIDE

4.6-KÜÇÜK BOY (10A) MONOFAZE ENVERSÖR YARDIMCI SARGILI
SMALL SIZE (10A) SINGLE-PHASE REVERSING SWITCH WITH AUXILIARY WINDING

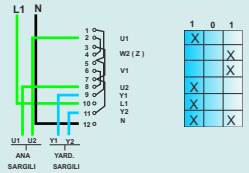


	1	0	1
X			X
X			X
X			X
X			X

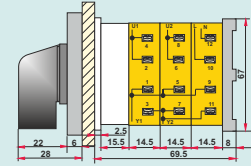
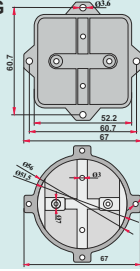
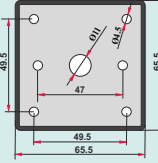


YPT1 04 010

4.7- ORTA BOY (16A/20A/25A/32A) MONOFAZE ENVERSÖR YARDIMCI SARGILI
MEDIUM SIZE (16A/20A/25A/32A) SINGLE-PHASE REVERSING SWITCH WITH AUXILIARY WINDING

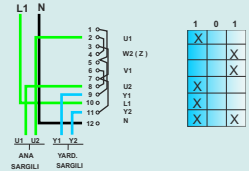


	1	0	1
X			X
X			X
X			X
X			X

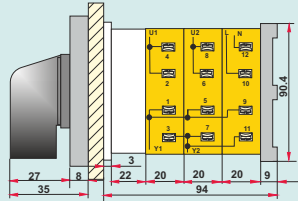
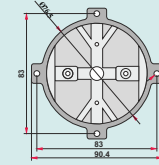
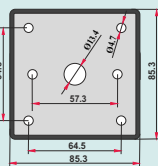


YPT1 04 016/020/025/032

4.8 BÜYÜK BOY (40A/50A/63A/80A) MONOFAZE ENVERSÖR YARDIMCI SARGILI
LARGE SIZE (40A/50A/63A/80A) SINGLE-PHASE REVERSING SWITCH WITH AUXILIARY WINDING

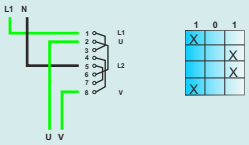


	1	0	1
X			X
X			X
X			X
X			X

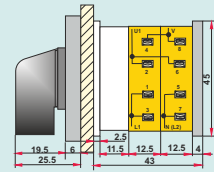
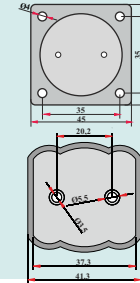
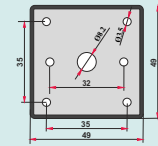


YPT1 04 040/050/063/080

4.9 KÜÇÜK BOY (10A) 1 FAZLI ENVERSÖR ŞALTER
SMALL SIZE (10A) 1 PHASE REVERSING SWITCH

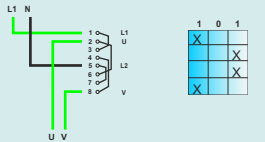


	1	0	1
X			X
X			X
X			X

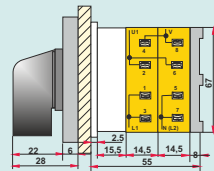
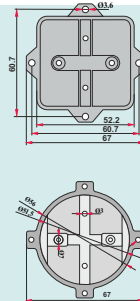
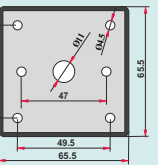


YPT1 04 010

4.10 ORTA BOY (16A/20A/25A/32A) 1 FAZLI ENVERSÖR ŞALTER
MEDIUM SIZE (16A/20A/25A/32A) 1 PHASE REVERSING SWITCH

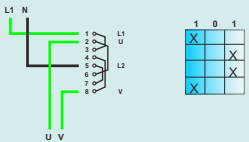


	1	0	1
X			X
X			X
X			X

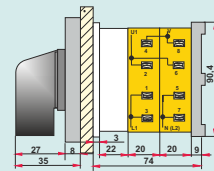
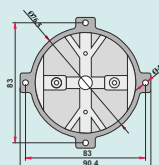
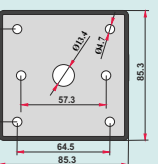


YPT1 04 016/020/025/032

4.11- BÜYÜK BOY (40A/50A/63A/80A) 1 FAZLI ENVERSÖR ŞALTER
LARGE SIZE (40A/50A/63A/80A) 1 PHASE REVERSING SWITCH



	1	0	1
X			X
X			X
X			X



YPT1 04 040/050/063/080

BAĞLANTI ŞEMASI
CONNECTION DIAGRAM

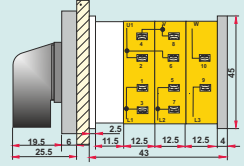
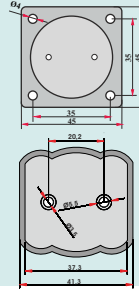
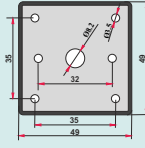
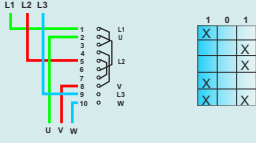
ÖN GÖRÜNÜŞ
FRONT

ÇERÇEVE
FRAME

ALT KAPAK
BOTTOM

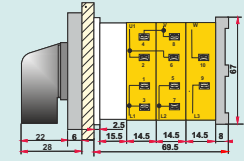
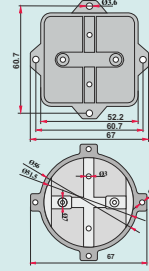
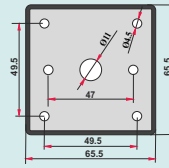
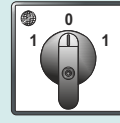
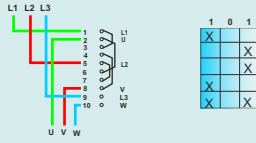
YANDAN GÖRÜNÜŞ
SIDE

4.12 KÜÇÜK BOY (10 A) 3 FAZLI ENVERSÖR ŞALTER
SMALL SIZE (10A) 3 PHASE REVERSING SWITCH



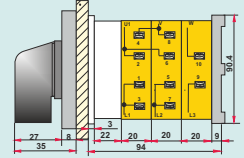
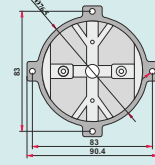
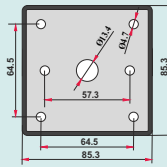
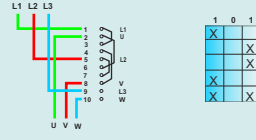
YPT3 04 010

4.13 ORTA BOY (16A/20A/25A/32A) 3 FAZLI ENVERSÖR ŞALTER
MEDIUM SIZE (16A/20A/25A/32A) 3 PHASE REVERSING SWITCH



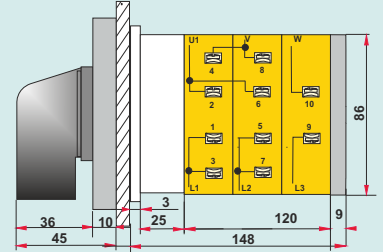
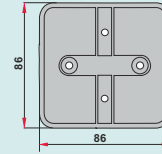
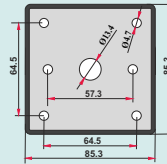
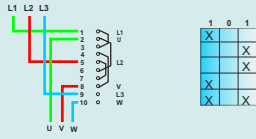
YPT3 04 016/020/025/032

4.14- BÜYÜK BOY (40A/50A/63A/80A) 3 FAZLI ENVERSÖR ŞALTER
LARGE SIZE (40A/50A/63A/80A) 3 PHASE REVERSING SWITCH



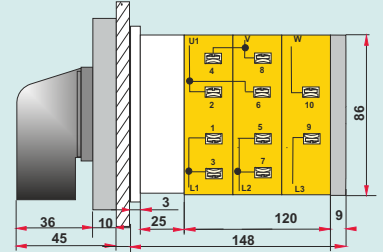
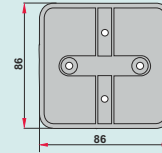
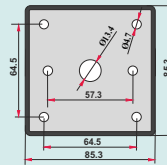
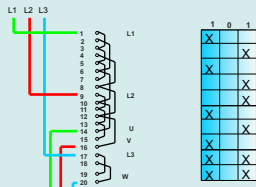
YPT3 04 040/050/063/080

4.15- BÜYÜK KARE TİP (100A/125A/160A/200A) 3 FAZLI ENVERSÖR ŞALTER
LARGE SQUARE TYPE (100A/125A/160A/200A) 3 PHASE REVERSING SWITCH



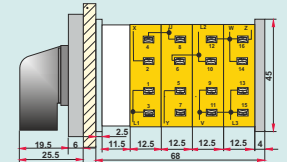
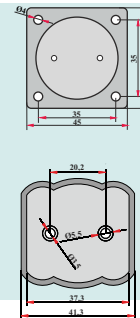
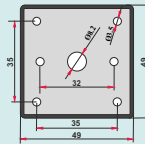
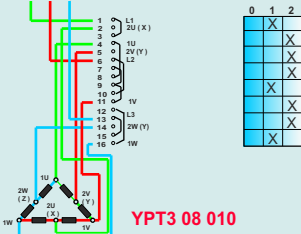
YPT3 04 100/125/160/200

4.16-BÜYÜK KARE TİP (250A/315A) 3 FAZLI ENVERSÖR ŞALTER
LARGE SQUARE TYPE (250A/315A) 3 PHASE REVERSING SWITCH



YPT3 04 250/315

4.17- KÜÇÜK BOY (10A) ÇİFT DEVİRLİ (DAHLANDER) ŞALTER
SMALL SIZE (10A) DOUBLE SPEED SWITCH



YPT3 08 010

BAĞLANTI ŞEMASI CONNECTION DIAGRAM

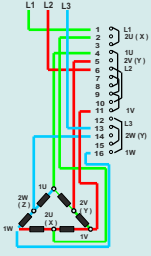
ÖN GÖRÜNÜŞ FRONT

ÇERÇEVE FRAME

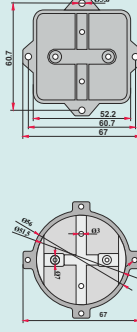
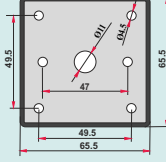
ALT KAPAK BOTTOM

YANDAN GÖRÜNÜŞ SIDE

4.18- ORTA BOY (16A/20A/25A/32A) ÇİFT DEVİRLİ(DAHLANDER) ŞALTER MEDIUM SIZE (16A/20A/25A/32A) DOUBLE SPEED SWITCH

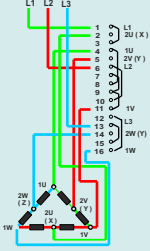


0	1	2
X	X	X
X	X	X
X	X	X
X	X	X

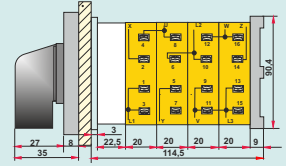
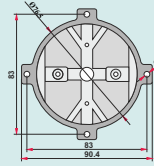
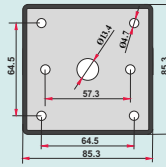
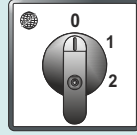


YPT3 08 016/020/025/032

4.19- BÜYÜK BOY (40A/50A/63A/80A) ÇİFT DEVİRLİ (DAHLANDER) ŞALTER LARGE SIZE (40A/50A/63A/80A) DOUBLE SPEED SWITCH

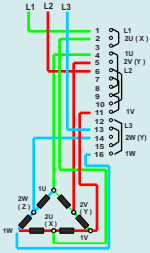


0	1	2
X	X	X
X	X	X
X	X	X
X	X	X

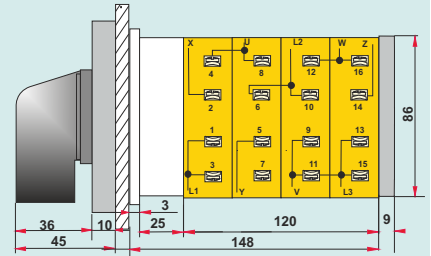
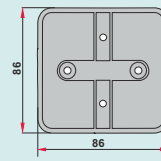
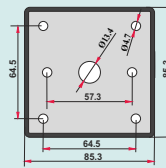


YPT3 08 040/050/063/080

4.20- BÜYÜK KARE TİP (100A/125A/160A/200A) ÇİFT DEVİRLİ (DAHLANDER) ŞALTER LARGE SQUARE TYPE (100A/125A/160A/200A) DOUBLE SPEED SWITCH

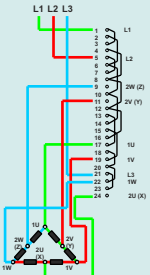


0	1	2
X	X	X
X	X	X
X	X	X
X	X	X

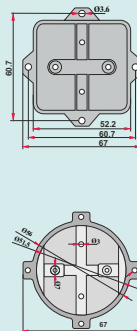
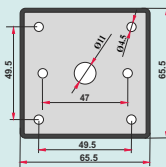


YPT3 08 100/125/160/200

4.21- ORTA BOY (16A/20A/25A/32A) ÇİFT DEVİRLİ ÇİFT YÖN ŞALTER (2-1-0-1-2) MEDIUM SIZE (16A/20A/25A/32A) DOUBLE SPEED DOUBLE WINDING SWITCH(2-1-0-1-2)



2	1	0	1	2
X	X	X	X	X
X	X	X	X	X
X	X	X	X	X
X	X	X	X	X
X	X	X	X	X



YPT3 Ç1 016/020/025/032

BAĞLANTI ŞEMASI CONNECTION DIAGRAM

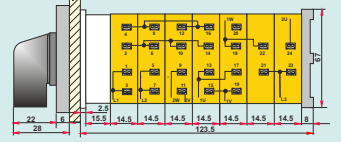
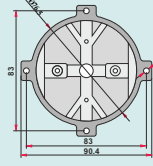
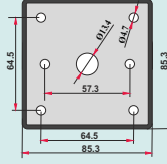
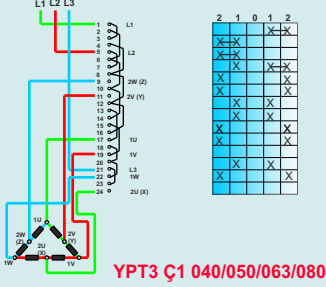
ÖN GÖRÜNÜŞ FRONT

ÇERÇEVE FRAME

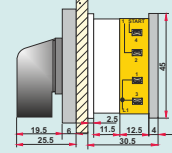
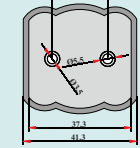
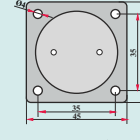
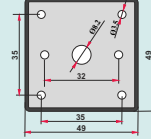
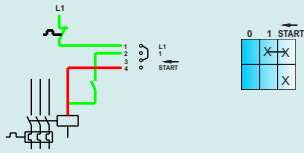
ALT KAPAK BOTTOM

YANDAN GÖRÜNÜŞ SIDE

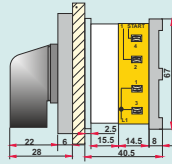
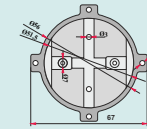
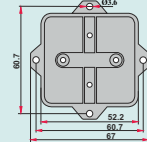
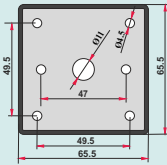
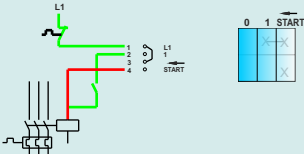
4.22- BÜYÜK BOY (40A/50A/63A/80A) ÇİFT DEVİRLİ ÇİFT YÖNLÜ ŞALTER (2-1-0-1-2) LARGE SIZE (40A/50A/63A/80A) DOUBLE SPEED DOUBLE WINDING SWITCH (2-1-0-1-2)



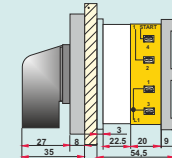
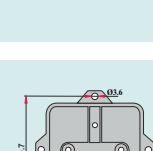
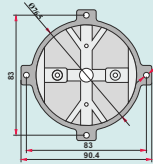
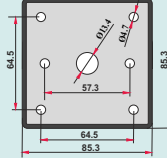
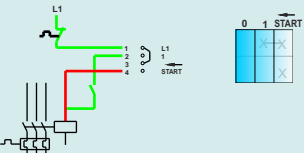
4.23- KÜÇÜK BOY (10A) 1 FAZ 0-1/START ŞALTER SMALL SIZE (10A) 1 PHASE 0-1/START SWITCH



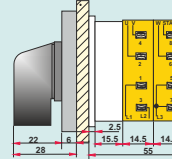
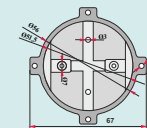
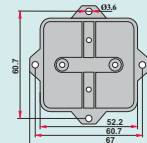
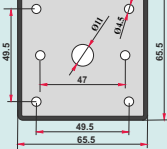
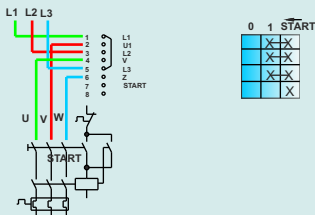
4.24- ORTA BOY (16A/20A/25A/32A) 1 FAZ 0-1/START ŞALTER MEDIUM SIZE (16A/20A/25A/32A) 1 PHASE 0-1/START SWITCH



4.25- BÜYÜK BOY (40A/50A/63A/80A) 1 FAZ 0-1/START ŞALTER LARGE SIZE (40A/50A/63A/80A) 1 PHASE 0-1/START SWITCH



4.26- ORTA BOY (16A/20A/25A/32A) 3 FAZ 0-1/STARTLI ŞALTER MEDIUM SIZE (16A/20A/25A/32A) 3 PHASE 0-1/START SWITCH



BAĞLANTI ŞEMASI
CONNECTION DIAGRAM

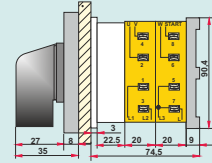
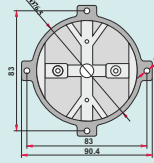
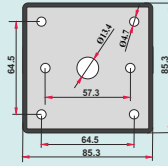
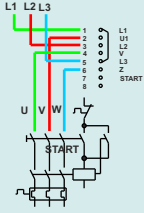
ÖN GÖRÜNÜŞ
FRONT

ÇERÇEVE
FRAME

ALT KAPAK
BOTTOM

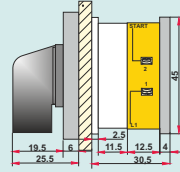
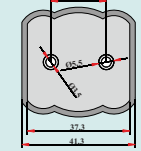
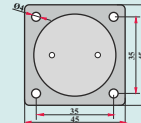
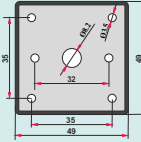
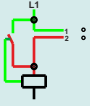
YANDAN GÖRÜNÜŞ
SIDE

4.27- BÜYÜK BOY (40A/50A/63A/80A) 3 FAZ 0-1/STARTLI ŞALTER
LARGE SIZE (40A/50A/63A/80A) 3 PHASE 0-1/START SWITCH



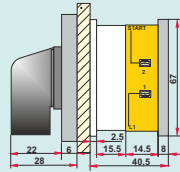
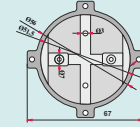
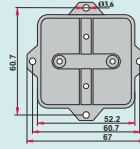
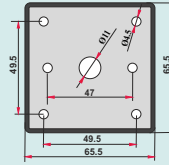
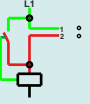
YPT3 S1 040/050/063/080

4.28- KÜÇÜK BOY (10A) 1 FAZ 0-START ŞALTER
SMALL SIZE (10A) 1 PHASE 0-START SWITCH



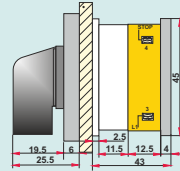
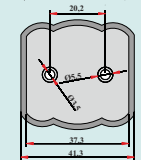
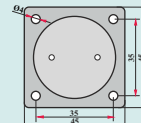
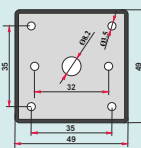
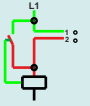
YPT1 44 010

4.29- ORTA BOY (16A/20A/25A/32A) 1 FAZ 0-START ŞALTER
MEDIUM SIZE (16A/20A/25A/32A) 1 PHASE 0-START SWITCH



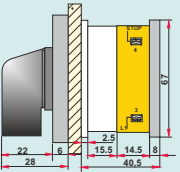
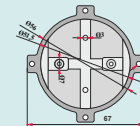
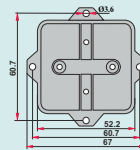
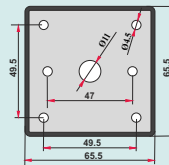
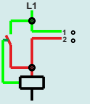
YPT1 44 016/020/025/032

4.30- KÜÇÜK BOY (10A) 1 FAZ STOP - 0 ŞALTER
SMALL SIZE (10A) 1 FAZ STOP - 0 SWITCH



YPT1 45 010

4.31- ORTA BOY (16A/20A/25A/32A) 1 FAZ STOP - 0 ŞALTER
MEDIUM SIZE (16A/20A/25A/32A) 1 PHASE STOP - 0 SWITCH



YPT1 45 016/020/025/032

BAĞLANTI ŞEMASI
CONNECTION DIAGRAM

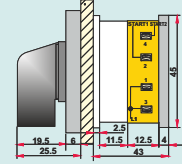
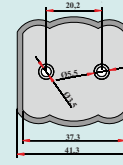
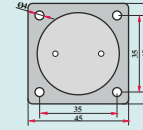
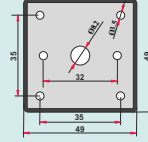
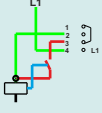
ÖN GÖRÜNÜŞ
FRONT

ÇERÇEVE
FRAME

ALT KAPAK
BOTTOM

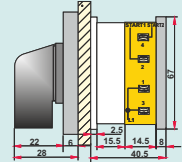
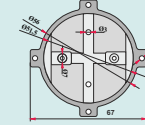
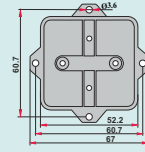
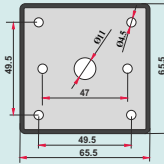
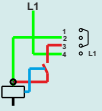
YANDAN GÖRÜNÜŞ
SIDE

4.32 - KÜÇÜK BOY (10A) 1 FAZ STOP - 0 - START ŞALTER
SMALL SIZE (10A) 1 PHASE STOP - 0 - START SWITCH



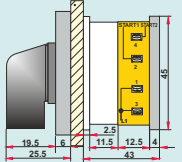
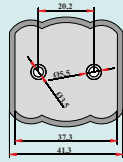
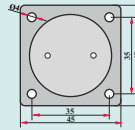
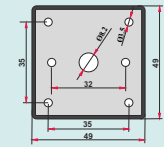
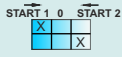
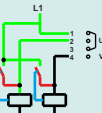
YPT1 46 010

4.33 - ORTA BOY (16A/20A/25A/32A) 1 FAZ STOP - 0 - START ŞALTER
MEDIUM SIZE (16A/20A/25A/32A) 1 PHASE STOP - 0 - START SWITCH



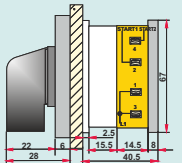
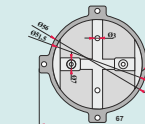
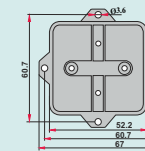
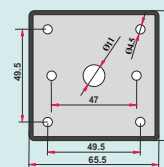
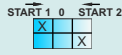
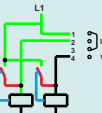
YPT1 46 016/020/025/032

4.34 - KÜÇÜK BOY (10A) 1 FAZ START 1-0-START2 ŞALTER
SMALL SIZE (10A) 1 PHASE START 1-0-START 2 SWITCH



YPT1 47 010

4.35 - ORTA BOY (16A/20A/25A/32A) 1 FAZ START 1-0-START2 ŞALTER
MEDIUM SIZE (16A/20A/25A/32A) 1 PHASE START 1-0-START 2 SWITCH



YPT1 47 016/020/025/032

BAĞLANTI ŞEMASI
CONNECTION DIAGRAM

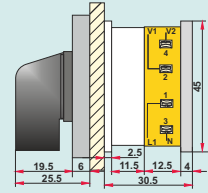
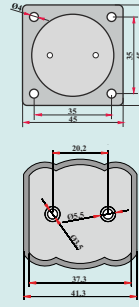
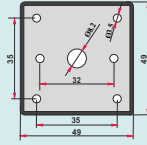
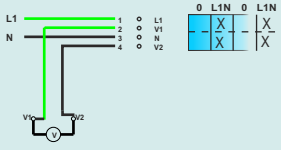
ÖN GÖRÜNÜŞ
FRONT

ÇERÇEVE
FRAME

ALT KAPAK
BOTTOM

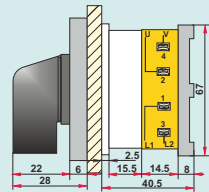
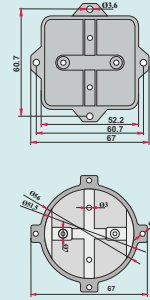
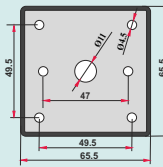
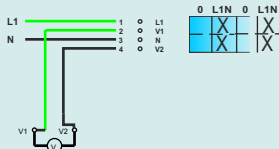
YANDAN GÖRÜNÜŞ
SIDE

5.1-KÜÇÜK BOY (10A) 1 FAZ (0-L) VOLT METRE KOMUTATÖRÜ
SMALL SIZE (10A) 1 PHASE (0-L) VOLTMETER SELECTOR



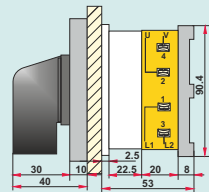
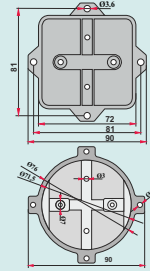
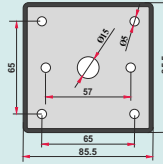
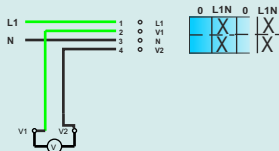
YPT1 V1 010

5.2- ORTA BOY (16A/20A/25A/32A) 1 FAZ (0-L) VOLT METRE KOMUTATÖRÜ
MEDIUM SIZE (16A/20A/25A/32A) 1 PHASE (0-L) VOLTMETER SELECTOR



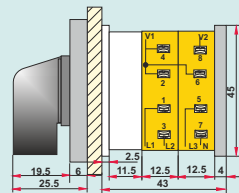
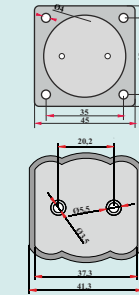
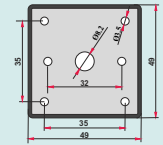
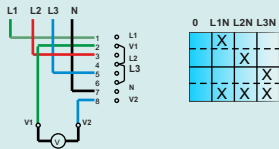
YPT1 V1 016/020/025/032

5.3- BÜYÜK BOY (40A/50A/63A/80A) 1 FAZ (0-L) VOLT METRE KOMUTATÖRÜ
LARGE SIZE (40A/50A/63A/80A) 1 PHASE (0-L) VOLTMETER SELECTOR



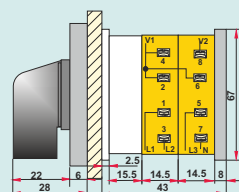
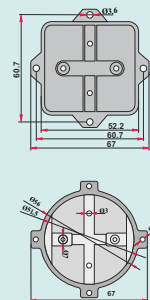
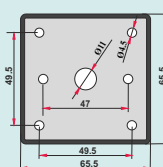
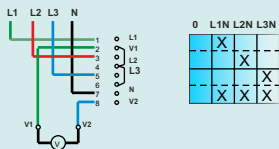
YPT1 V1 040/050/063/080

5.4-KÜÇÜK BOY (10A) 3 FAZ/NÖTR(0-LN) VOLT METRE KOMUTATÖRÜ
SMALL SIZE (10A) 3 PHASE/NEUTRAL(0-LN) VOLTMETER SELECTOR



YPT3 V2 010

5.5-ORTA BOY (16A/20A/25A/32A) 3 FAZ/NÖTR(0-LN) VOLT METRE KOMUTATÖRÜ
MEDIUM SIZE (16A/20A/25A/32A) 3 PHASE/NEUTRAL(0-LN) VOLTMETER SELECTOR



YPT3 V2 016/020/025/032

BAĞLANTI ŞEMASI CONNECTION DIAGRAM

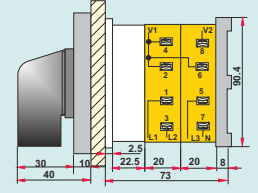
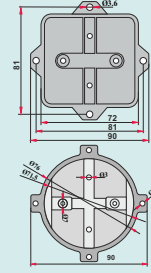
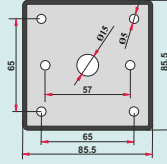
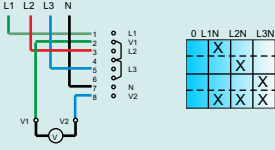
ÖN GÖRÜNÜŞ FRONT

ÇERÇEVE FRAME

ALT KAPAK BOTTOM

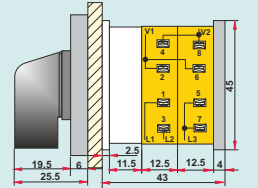
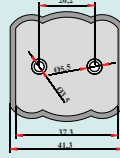
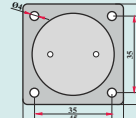
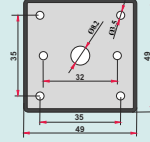
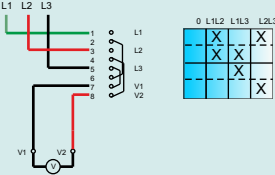
YANDAN GÖRÜNÜŞ SIDE

5.6-BÜYÜK BOY (40A/50A/63A/80A) 3 FAZ/NÖTR(0-LN) VOLT METRE KOMUTATÖRÜ LARGE SIZE (40A/50A/63A/80A) 3 PHASE/NÖTR(0-LN) VOLTMETER SELECTOR



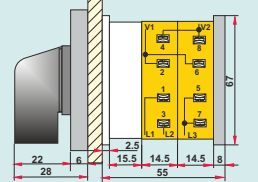
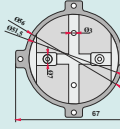
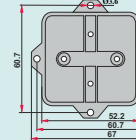
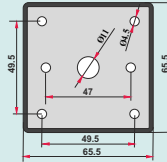
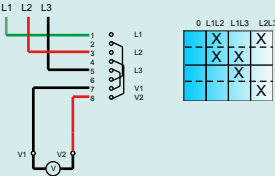
YPT3 V2 040/050/063/080

5.7-KÜÇÜK BOY (10A) 3 FAZ SIFIRLI (0-LL) VOLT METRE KOMUTATÖRÜ SMALL SIZE (10A) 3 PHASE WITH ZERO (0-LL) VOLTMETER SELECTOR



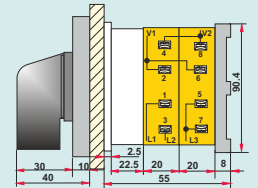
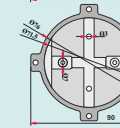
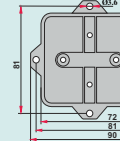
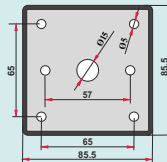
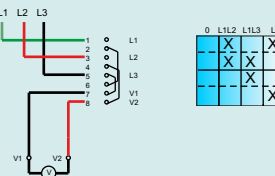
YPT3 V4 010

5.8-ORTA BOY (16A/20A/25A/32A) 3 FAZ SIFIRLI (0-LL) VOLT METRE KOMUTATÖRÜ MEDIUM SIZE (16A/20A/25A/32A) 3 PHASE WITH ZERO (0-LL) VOLTMETER SELECTOR



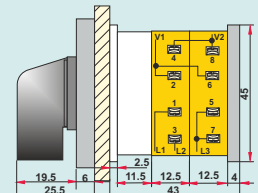
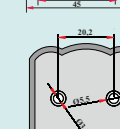
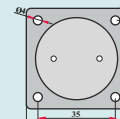
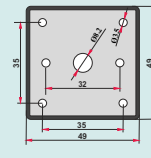
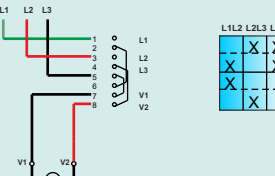
YPT3 V4 016/020/025/032

5.9-ORTA BOY (40A/50A/63A/80A) 3 FAZ SIFIRLI (0-LL) VOLT METRE KOMUTATÖRÜ MEDIUM SIZE (40A/50A/63A/80A) 3 PHASE WITH ZERO (0-LL) VOLTMETER SELECTOR



YPT3 V4 040/050/063/080

5.10-KÜÇÜK BOY (10A) 3 FAZ SIFIRSIZ (LL-LL) VOLT METRE KOMUTATÖRÜ SMALL SIZE (10A) 3 PHASE WITHOUT ZERO (LL-LL) VOLTMETER SELECTOR



YPT3 V3 010

BAĞLANTI ŞEMASI
CONNECTION DIAGRAM

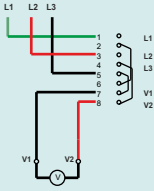
ÖN GÖRÜNÜŞ
FRONT

ÇERÇEVE
FRAME

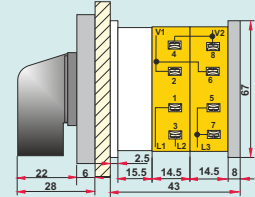
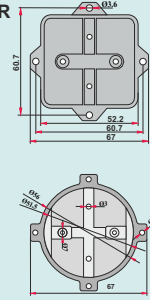
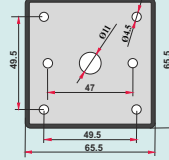
ALT KAPAK
BOTTOM

YANDAN GÖRÜNÜŞ
SIDE

5.11-ORTA BOY (16A/20A/25A/32A) 3 FAZ SIFIRSIZ (LL-LL) VOLT METRE KOMÜTATÖRÜ
MEDIUM SIZE (16A/20A/25A/32A) 3 PHASE WITHOUT ZERO (LL-LL) VOLTMETER SELECTOR

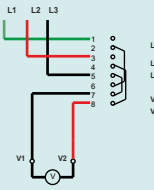


L1L2	L2L3	L1L3
X	X	X
X	X	X
X	X	X

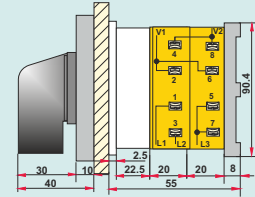
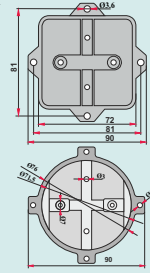
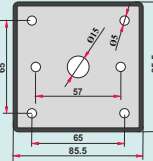


YPT3 V3 016/020/025/032

5.12-BÜYÜK BOY (40A/50A/63A/80A) 3 FAZ SIFIRSIZ (LL-LL) VOLT METRE KOMÜTATÖRÜ
LARGE SIZE (40A/50A/63A/80A) 3 PHASE WITHOUT ZERO (LL-LL) VOLTMETER SELECTOR

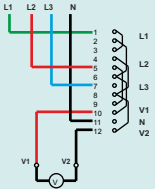


L1L2	L2L3	L1L3
X	X	X
X	X	X
X	X	X

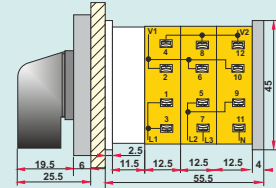
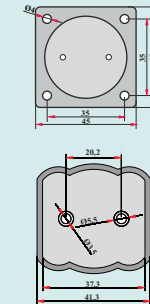
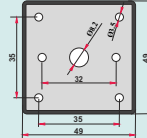


YPT3 V3 040/050/063/080

5.13-KÜÇÜK BOY (10A) 3FAZ,4 POZ (LN-LL) VOLT METRE KOMÜTATÖRÜ
SMALL SIZE (10A) 3PHASE,4 POSITION (LN-LL) VOLTMETER SELECTOR

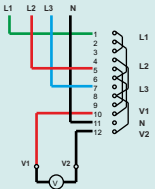


L1N	L1L2	L2L3	L1L3
X	X	X	X
X	X	X	X
X	X	X	X

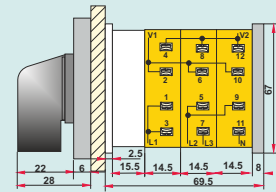
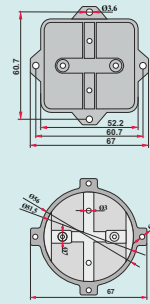
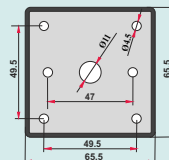


YPT4 V5 010

5.14-ORTA BOY (16A/20A/25A/32A) 3FAZ,4 POZ (LN-LL) VOLT METRE KOMÜTATÖRÜ
MEDIUM SIZE (16A/20A/25A/32A) 3PHASE,4 POSITION (LN-LL) VOLTMETER SELECTOR

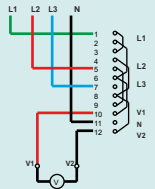


L1N	L1L2	L2L3	L1L3
X	X	X	X
X	X	X	X
X	X	X	X

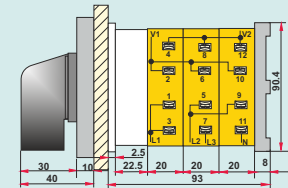
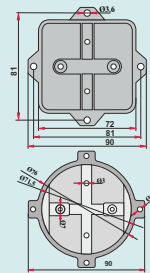
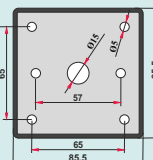


YPT4 V5 016/020/025/032

5.15-BÜYÜK BOY (40A/50A/32A/80A) 3FAZ,4 POZ (LN-LL) VOLT METRE KOMÜTATÖRÜ
LARGE SIZE (40A/50A/32A/80A) 3PHASE,4 POSITION (LN-LL) VOLTMETER SELECTOR



L1N	L1L2	L2L3	L1L3
X	X	X	X
X	X	X	X
X	X	X	X



YPT4 V5 040/050/063/080

BAĞLANTI ŞEMASI
CONNECTION DIAGRAM

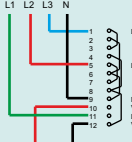
ÖN GÖRÜNÜŞ
FRONT

ÇERÇEVE
FRAME

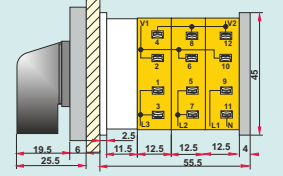
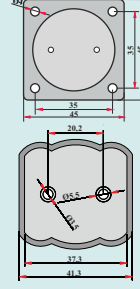
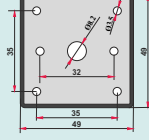
ALT KAPAK
BOTTOM

YANDAN GÖRÜNÜŞ
SIDE

5.16-KÜÇÜK BOY (10A) 3 FAZ ,7POZ (LL-0-LN) VOLT METRE KOMÜTATÖRÜ
SMALL SIZE (10A) 3 PHASE ,7POSITION (LL-0-LN) VOLTMETER SELECTOR

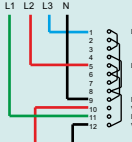


L1L3	L2L3	L1L2	0	L1N	L2N	L3N
X	X	X		X	X	X
X	X	X		X	X	X
X	X	X		X	X	X

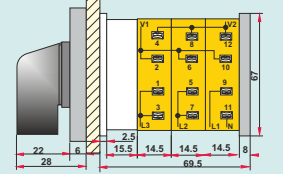
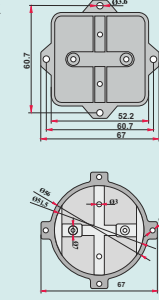
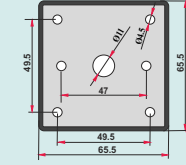


YPT3 V6 010

5.17-ORTA BOY (16A/20A/25A/32A) 3 FAZ ,7POZ (LL-0-LN) VOLT METRE KOMÜTATÖRÜ
MEDIUM SIZE (16A/20A/25A/32A) 3 PHASE ,7POSITION (LL-0-LN) VOLTMETER SELECTOR

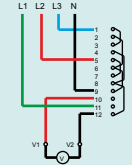


L1L3	L2L3	L1L2	0	L1N	L2N	L3N
X	X	X		X	X	X
X	X	X		X	X	X
X	X	X		X	X	X

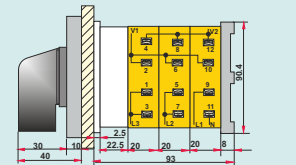
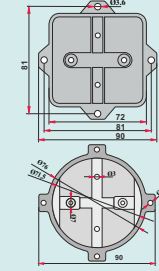
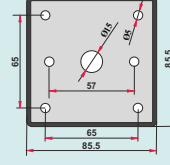


YPT3 V6 016/020/025/032

5.18-BÜYÜK BOY (40A/50A/63A/80A) 3 FAZ 7POZ (LL-0-LN) VOLT METRE KOMÜTATÖRÜ
LARGE SIZE (40A/50A/63A/80A) 3 PHASE 7 POSITION (LL-0-LN) VOLTMETER SELECTOR

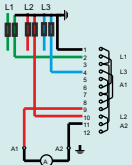


L1L3	L2L3	L1L2	0	L1N	L2N	L3N
X	X	X		X	X	X
X	X	X		X	X	X
X	X	X		X	X	X

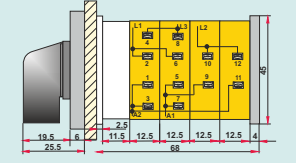
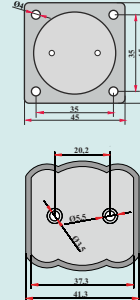
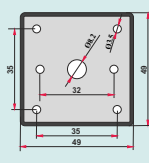
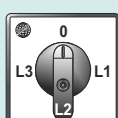


YPT3 V6 040/050/063/080

5.19-KÜÇÜK BOY (10A) AMPERMETRE KOMUTATÖRÜ (AKIM TRAFOSU ÜZERİNDEN)
SMALL SIZE (10A) AMMETER SELECTOR ON CURRENT TRANSFORMER

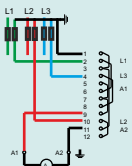


0	L1	L2	L3
X	X	X	X
X	X	X	X
X	X	X	X

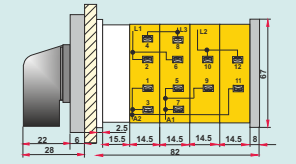
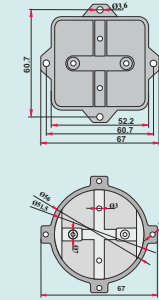
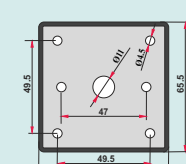
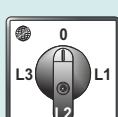


YPT3 A2 010

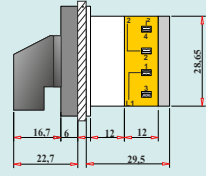
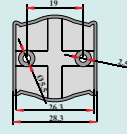
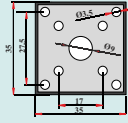
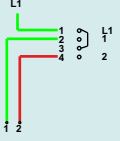
5.20-KÜÇÜK BOY (16A/20A/25A/32A) AMPERMETRE KOMUTATÖRÜ (AKIM TRAFOSU ÜZERİNDEN)
SMALL SIZE (16A/20A/25A/32A) AMMETER SELECTOR ON CURRENT TRANSFORMER



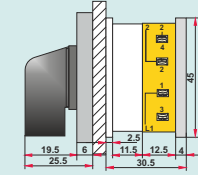
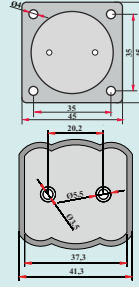
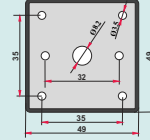
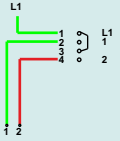
0	L1	L2	L3
X	X	X	X
X	X	X	X
X	X	X	X



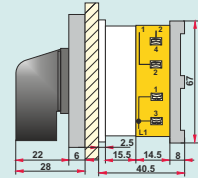
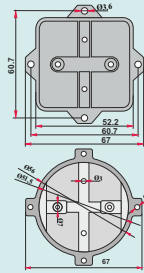
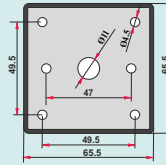
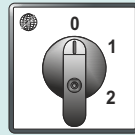
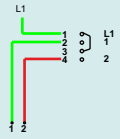
YPT3 A2 016/020/025/032

BAĞLANTI ŞEMASI
CONNECTION DIAGRAMÖN GÖRÜNÜŞ
FRONTÇERÇEVE
FRAMEALT KAPAK
BOTTOMYANDAN GÖRÜNÜŞ
SIDE6.1-MİNİK BOY (6A/8A/10A) 1 FAZ 2 KADEMELİ ŞALTER
MINI SIZE (6A/8A/10A) 1 PHASE 2 STEPS SWITCH

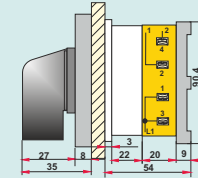
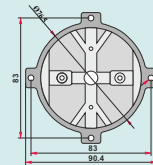
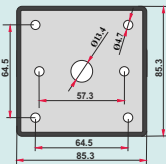
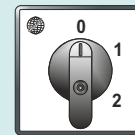
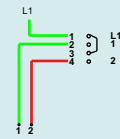
YPM1 12 006/008/010

6.2-KÜÇÜK BOY (10A) 1 FAZ 2 KADEMELİ ŞALTER
SMALL SIZE (10A) 1 PHASE 2 STEPS SWITCH

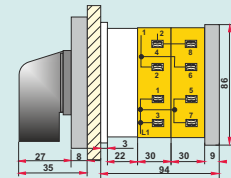
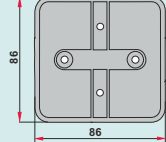
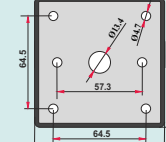
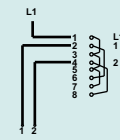
YPT1 12 010

6.3-ORTA BOY (16A/20A/25A/32A) 1 FAZ 2 KADEMELİ ŞALTER
MEDIUM SIZE (16A/20A/25A/32A) 1 PHASE 2 STEPS SWITCH

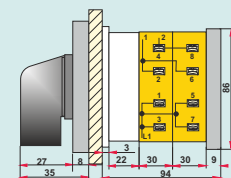
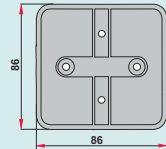
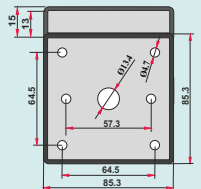
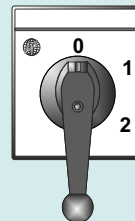
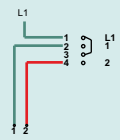
YPT1 12 016/020/025/032

6.4-BÜYÜK BOY (40A/50A/63A/80A) 1 FAZ 2 KADEMELİ ŞALTER
LARGE SIZE (40A/50A/63A/80A) 1 PHASE 2 STEPS SWITCH

YPT1 12 040/050/063/080

6.5-BÜYÜK KARE TİP (100A/125A/160A/200A) 1 FAZ 2 KADEMELİ ŞALTER
LARGE SQUARE TYPE (100A/125A/160A/200A) 1 PHASE 2 STEPS SWITCH

YPT1 12 100/125/160/200

6.6-BÜYÜK KARE TİP (250A/315A) 1 FAZ 2 KADEMELİ ŞALTER
LARGE SQUARE TYPE (250A/315A) 1 PHASE 2 STEPS SWITCH

YPT1 12 250/315



BAĞLANTI ŞEMASI CONNECTION DIAGRAM

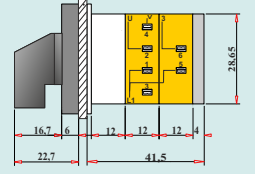
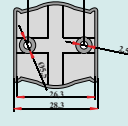
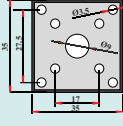
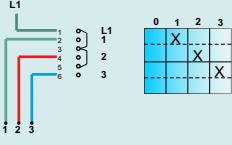
ÖN GÖRÜNÜŞ FRONT

ÇERÇEVE FRAME

ALT KAPAK BOTTOM

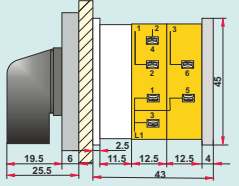
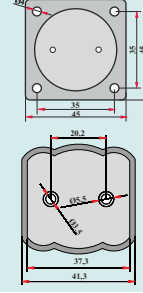
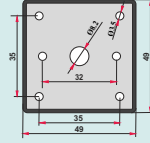
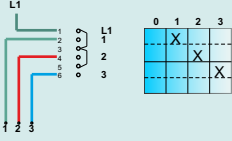
YANDAN GÖRÜNÜŞ SIDE

6.7-MİNİK BOY (6A/8A/10A) 1 FAZ 3 KADEMELİ ŞALTER MINI SIZE (6A/8A/10A) 1 PHASE 3 STEPS SWITCH



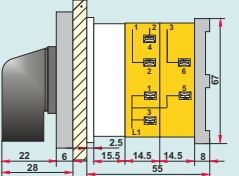
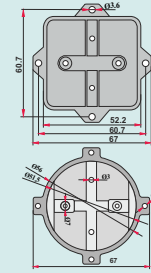
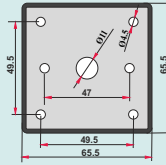
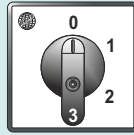
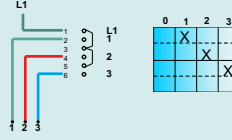
YPM1 13 006/008/010

6.8-KÜÇÜK BOY (10A) 1 FAZ 3 KADEMELİ ŞALTER SMALL SIZE (10A) 1 PHASE 3 STEPS SWITCH



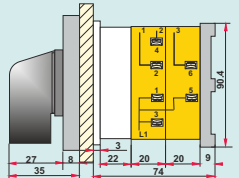
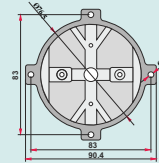
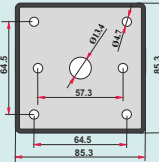
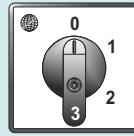
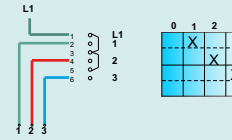
YPT1 13 010

6.9-ORTA BOY (16A/20A/25A/32A) 1 FAZ 3 KADEMELİ ŞALTER MADIUM SIZE (16A/20A/25A/32A) 1 PHASE 3 STEPS SWITCH



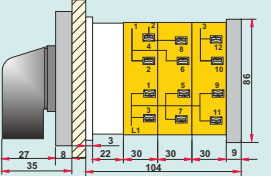
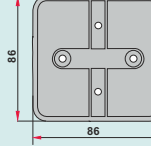
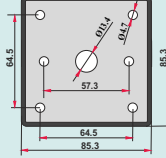
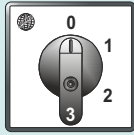
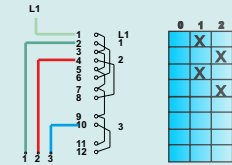
YPT1 13 016/020/025/032

6.10-BÜYÜK BOY (40A/50A/63A/80A) 1 FAZ 3 KADEMELİ ŞALTER LARGE SIZE (40A/50A/63A/80A) 1 PHASE 3 STEPS SWITCH



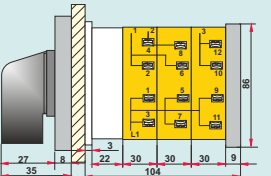
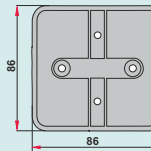
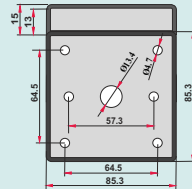
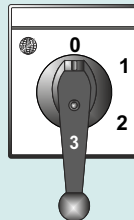
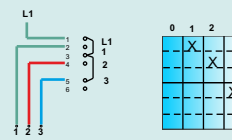
YPT1 13 040/050/063/080

6.11-BÜYÜK KARE TİP (100A/125A/160A/200A) 1 FAZ 3 KADEMELİ ŞALTER LARGE SQUARE TYPE (100A/125A/160A/200A) 1 PHASE 3 STEPS SWITCH

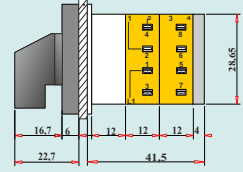
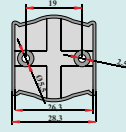
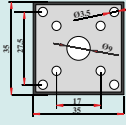
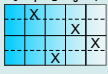


YPT1 13 100/125/160/200

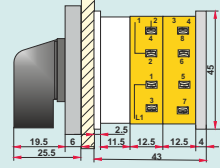
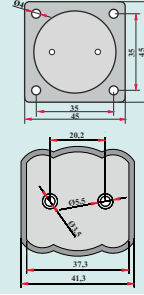
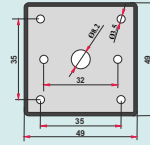
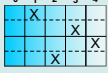
6.12-BÜYÜK KARE TİP (250A/315A) 1 FAZ 3 KADEMELİ ŞALTER LARGE SQUARE TYPE (250A/315A) 1 PHASE 3 STEPS SWITCH



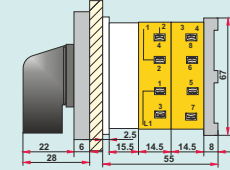
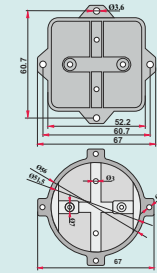
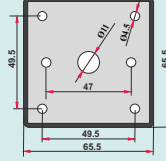
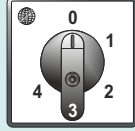
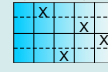
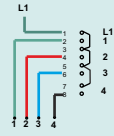
YPT1 13 250/315

BAĞLANTI ŞEMASI
CONNECTION DIAGRAMÖN GÖRÜNÜŞ
FRONTÇERÇEVE
FRAMEALT KAPAK
BOTTOMYANDAN GÖRÜNÜŞ
SIDE6.13-MİNİK BOY (6A/8A/10A) 1 FAZ 4 KADEMELİ ŞALTER
MINI SIZE (6A/8A/10A) 1 PHASE 4 STEPS SWITCH

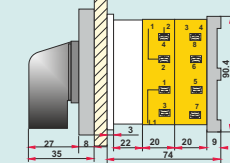
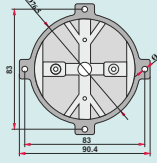
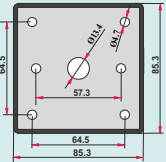
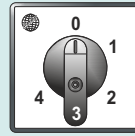
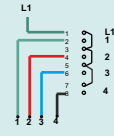
YPM1 14 006/008/010

6.14-KÜÇÜK BOY (10A) 1 FAZ 4 KADEMELİ ŞALTER
SMALL SIZE (10A) 1 PHASE 4 STEPS SWITCH

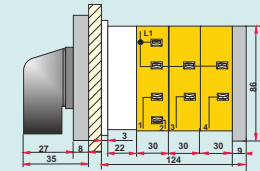
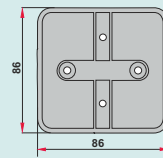
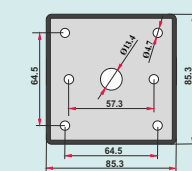
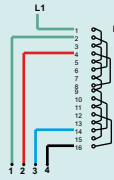
YPT1 14 010

6.15-ORTA BOY (16A/20A/25A/32A) 1 FAZ 4 KADEMELİ ŞALTER
MEDIUM SIZE (16A/20A/25A/32A) 1 PHASE 4 STEPS SWITCH

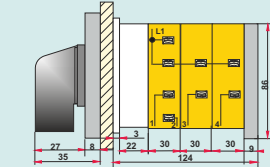
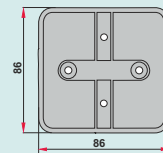
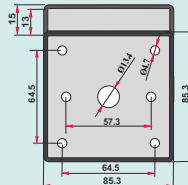
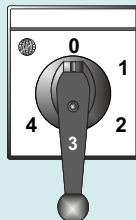
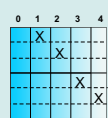
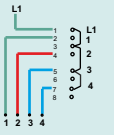
YPT1 14 016/020/025/032

6.16-BÜYÜK BOY (40A/50A/63A/80A) 1 FAZ 4 KADEMELİ ŞALTER
LARGE SIZE (40A/50A/63A/80A) 1 PHASE 4 STEPS SWITCH

YPT1 14 040/050/063/080

6.17-BÜYÜK KARE TİP (100A/125A/160A/200A) 1 FAZ 4 KADEMELİ ŞALTER
LARGE SQUARE TYPE (100A/125A/160A/200A) 1 PHASE 4 STEPS SWITCH

YPT1 14 100/125/160/200

6.18-BÜYÜK KARE TİP (160A/200A) 1 FAZ 4 KADEMELİ ŞALTER
LARGE SQUARE TYPE (160A/200A) 1 PHASE 4 STEPS SWITCH

YPT1 14 160/200

BAĞLANTI ŞEMASI
CONNECTION DIAGRAM

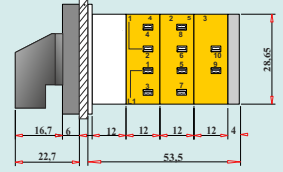
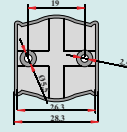
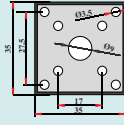
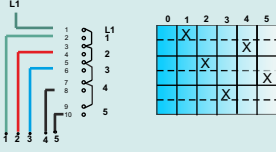
ÖN GÖRÜNÜŞ
FRONT

ÇERÇEVE
FRAME

ALT KAPAK
BOTTOM

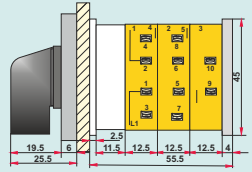
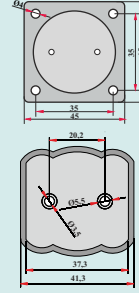
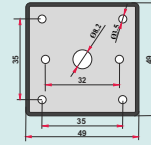
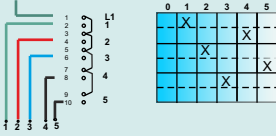
YANDAN GÖRÜNÜŞ
SIDE

6.19-MİNİK BOY (6A/8A/10A) 1 FAZ 5 KADEMELİ ŞALTER
MINI SIZE (6A/8A/10A) 1 PHASE 5 STEPS SWITCH



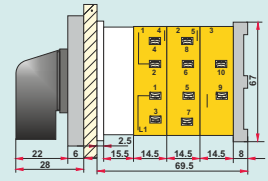
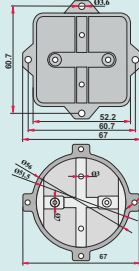
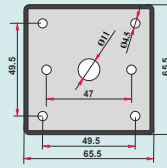
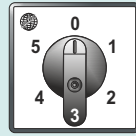
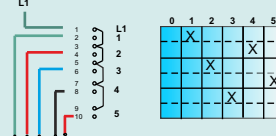
YPM1 15 006/008/010

6.20-KÜÇÜK BOY (10A) 1 FAZ 5 KADEMELİ ŞALTER
SMALL SIZE (10A) 1 PHASE 5 STEPS SWITCH



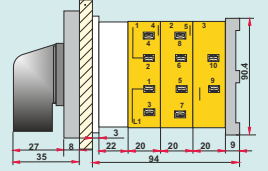
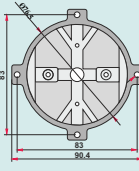
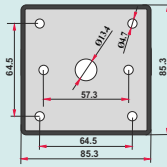
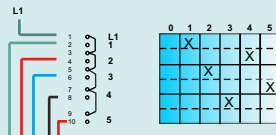
YPT1 15 010

6.21-ORTA BOY (16A/20A/25A/32A) 1 FAZ 5 KADEMELİ ŞALTER
MEDIUM SIZE (16A/20A/25A/32A) 1 PHASE 5 STEPS SWITCH



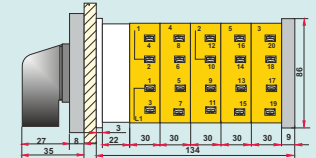
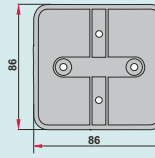
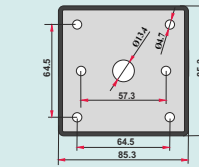
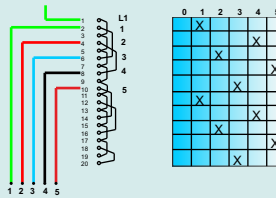
YPT1 15 016/020/025/032

6.22-BÜYÜK BOY (40A/50A/63A/80A) 1 FAZ 5 KADEMELİ ŞALTER
LARGE SIZE (40A/50A/63A/80A) 1 PHASE 5 STEPS SWITCH



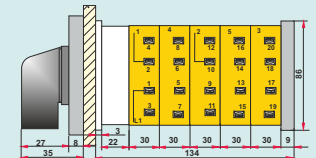
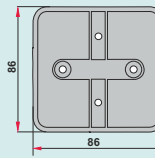
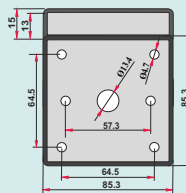
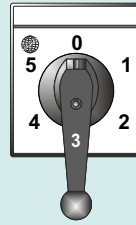
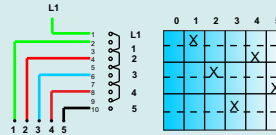
YPT1 15 040/050/063/080

6.23-BÜYÜK KARE TİP (100A/125A/160A/200A) 1 FAZ 5 KADEMELİ ŞALTER
LARGE SQUARE TYPE (100A/125A/160A/200A) 1 PHASE 5 STEPS SWITCH

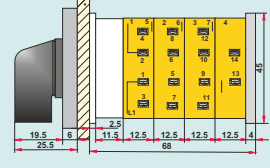
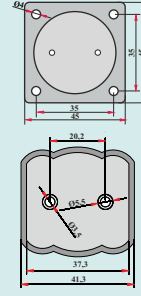
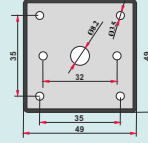
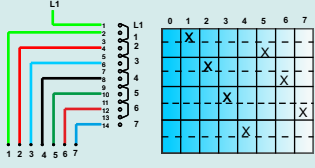


YPT1 15 100/125/160/200

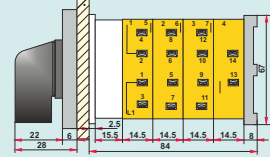
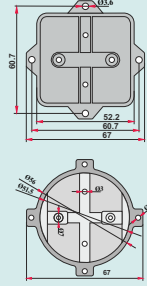
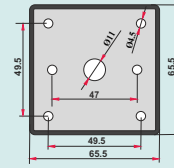
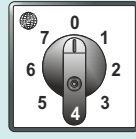
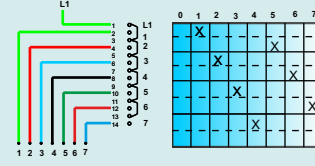
6.24-BÜYÜK KARE TİP (250A/315A) 1 FAZ 5 KADEMELİ ŞALTER
LARGE SQUARE SIZE (250A/315A) 1 PHASE 5 STEPS SWITCH



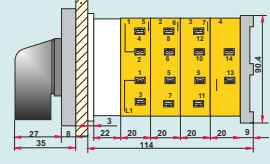
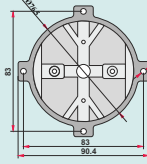
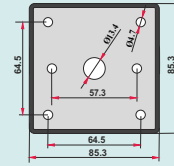
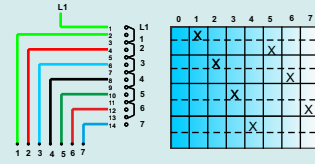
YPT1 15 250/315

BAĞLANTI ŞEMASI
CONNECTION DIAGRAM
ÖN GÖRÜNÜŞ
FRONT
ÇERÇEVE
FRAME
ALT KAPAK
BOTTOM
YANDAN GÖRÜNÜŞ
SIDE
6.25-KÜÇÜK BOY (10A) 1 FAZ 7 KADEMELİ ŞALTER
SMALL SIZE (10A) 1 PHASE 7 STEPS SWITCH


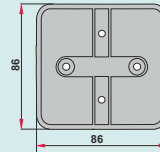
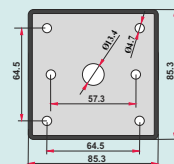
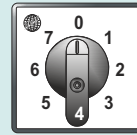
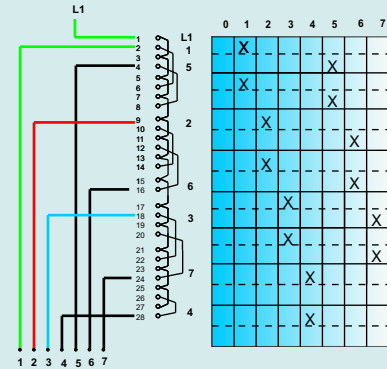
YPT1 17 010

6.26-ORTA BOY (16A/20A/25A/32A) 1 FAZ 7 KADEMELİ ŞALTER
MADIUM SIZE (16A/20A/25A/32A) 1 PHASE 7 STEPS SWITCH


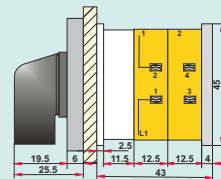
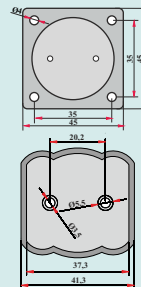
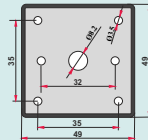
YPT1 17 016/020/025/032

6.27-BÜYÜK BOY (40A/50A/63A/80A) 1 FAZ 7 KADEMELİ ŞALTER
LARGE SIZE (40A/50A/63A/80A) 1 PHASE 7 STEPS SWITCH


YPT1 17 040/050/063/080

6.28-BÜYÜK KARE TİP (100A/125A/160A/200A) 1 FAZ 7 KADEMELİ ŞALTER
LARGE SQUARE TYPE (100A/125A/160A/200A) 1 PHASE 7 STEPS SWITCH


YPT1 17 100/125/160/200

6.29-KÜÇÜK BOY (10A) 1 FAZ 2 KADEMELİ KOMUTATÖR ŞALTER
SMALL SIZE (10A) 1 PHASE 2 STEPS COMMUTATOR SWITCH


YPT1 12 K010



BAĞLANTI ŞEMASI CONNECTION DIAGRAM

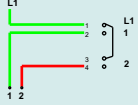
ÖN GÖRÜNÜŞ FRONT

ÇERÇEVE FRAME

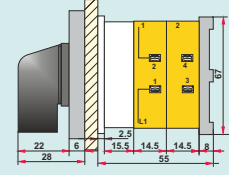
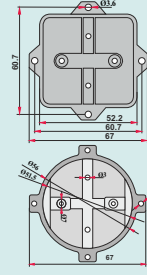
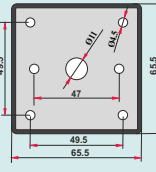
ALT KAPAK BOTTOM

YANDAN GÖRÜNÜŞ SIDE

6.30-ORTA BOY (16A/20A/25A/32A) 1 FAZ 2 KADEMELİ KOMUTATÖR ŞALTER MEDIUM SIZE (16A/20A/25A/32A) 1 PHASE 2 STEPS COMMUTATOR SWITCH

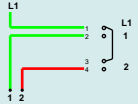


0	1	2
-	X	X
-	X	X
-	X	X

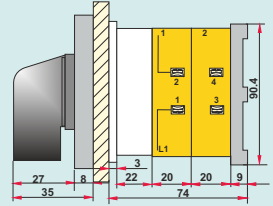
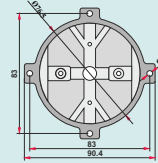
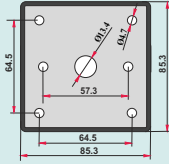


YPT1 12 K016/020/025/032

6.31-BÜYÜK BOY (40A/50A/63A/80A) 1 FAZ 2 KADEMELİ KOMUTATÖR ŞALTER LARGE SIZE (40A/50A/63A/80A) 1 PHASE 2 STEPS COMMUTATOR SWITCH

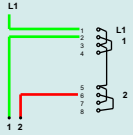


0	1	2
-	X	X
-	X	X
-	X	X

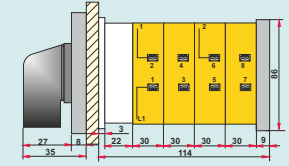
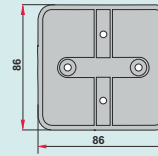
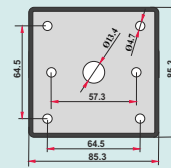


YPT1 12 K040/050/063/080

6.32-BÜYÜK KARE TİP (100A/125A/160A/200A) 1 FAZ 2 KADEMELİ KOMUTATÖR ŞALTER LARGE SQUARE TYPE (100A/125A/160A/200A) 1 PHASE 2 STEPS COMMUTATOR SWITCH

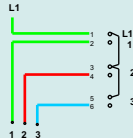


0	1	2
-	X	X
-	X	X
-	X	X
-	X	X
-	X	X

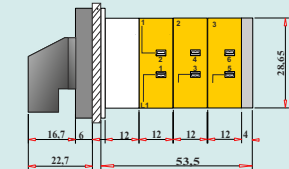
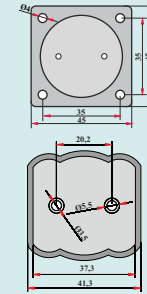
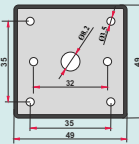
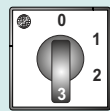


YPT1 12 K100/125/160/200

6.33- KÜÇÜK BOY (10A) 1 FAZ 3 KADEMELİ KOMUTATÖR ŞALTER SMALL SIZE (10A) 1 PHASE 3 STEPS COMMUTATOR SWITCH



0	1	2	3
-	X	X	X
-	X	X	X
-	X	X	X

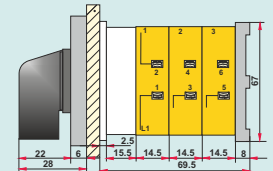
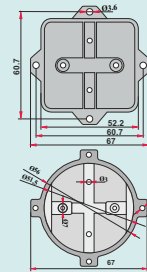
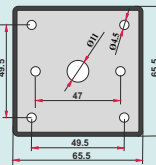


YPT1 12 K010

6.34- ORTA BOY (16A/20A/25A/32A) 1 FAZ 3 KADEMELİ KOMUTATÖR ŞALTER MEDIUM SIZE (16A/20A/25A/32A) 1 PHASE 3 STEPS COMMUTATOR SWITCH

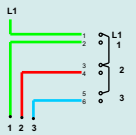


0	1	2	3
-	X	X	X
-	X	X	X
-	X	X	X

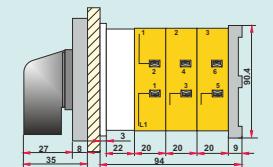
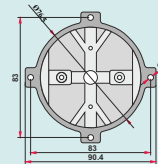
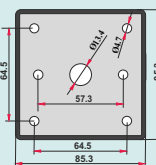
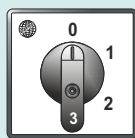


YPT1 13 K016/020/025/032

6.35- BÜYÜK BOY (40A/50A/63A/80A) 1 FAZ 3 KADEMELİ KOMUTATÖR ŞALTER LARGE SIZE (40A/50A/63A/80A) 1 PHASE 3 STEPS COMMUTATOR SWITCH



0	1	2	3
-	X	X	X
-	X	X	X
-	X	X	X



YPT1 13 K040/050/063/080

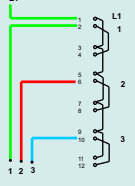

BAĞLANTI ŞEMASI
 CONNECTION DIAGRAM

ÖN GÖRÜNÜŞ
 FRONT

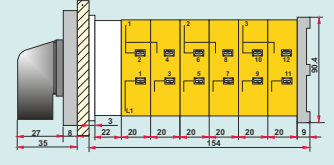
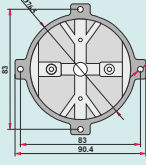
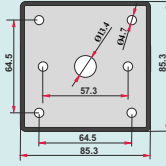
ÇERÇEVE
 FRAME

ALT KAPAK
 BOTTOM

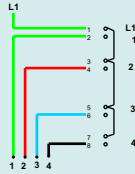
YANDAN GÖRÜNÜŞ
 SIDE

6.36- BÜYÜK BOY (100A/125A/160A/200A) 1 FAZ 3 KADEMELİ KOMUTATÖR ŞALTER
LARGE SIZE (100A/125A/160A/200A) 1 PHASE 3 STEPS COMMUTATOR SWITCH


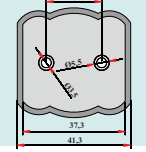
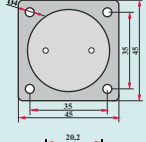
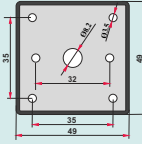
0	X	X	X	X
1	X	X	X	X
2	X	X	X	X
3	X	X	X	X



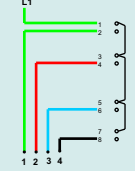
YPT1 13 K100/125/160/200

6.37- KÜÇÜK BOY (10A) 1 FAZ 4 KADEMELİ KOMUTATÖR ŞALTER
SMALL SIZE (10A) 1 PHASE 4 STEPS COMMUTATOR SWITCH


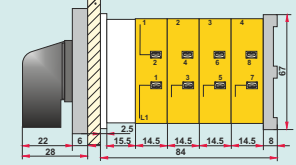
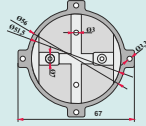
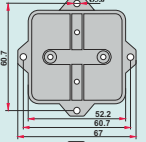
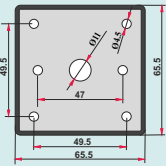
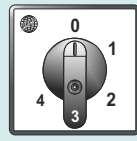
0	X	X	X	X
1	X	X	X	X
2	X	X	X	X
3	X	X	X	X
4	X	X	X	X



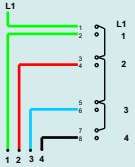
YPT1 14 K010

6.38- ORTA BOY (16A/20A/25A/32A) 1 FAZ 4 KADEMELİ KOMUTATÖR ŞALTER
MEDIUM SIZE (16A/20A/25A/32A) 1 PHASE 4 STEPS COMMUTATOR SWITCH


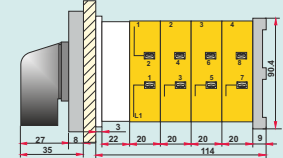
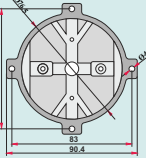
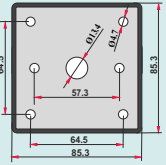
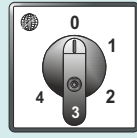
0	X	X	X	X
1	X	X	X	X
2	X	X	X	X
3	X	X	X	X
4	X	X	X	X



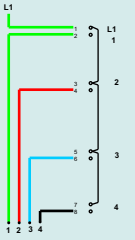
YPT1 14 K016/020/025/032

6.39- BÜYÜK BOY (40A/50A/63A/80A) 1 FAZ 4 KADEMELİ KOMUTATÖR ŞALTER
LARGE SIZE (40A/50A/63A/80A) 1 PHASE 4 STEPS COMMUTATOR SWITCH


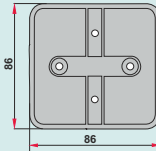
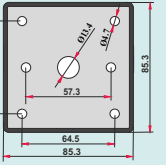
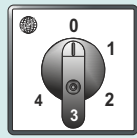
0	X	X	X	X
1	X	X	X	X
2	X	X	X	X
3	X	X	X	X
4	X	X	X	X



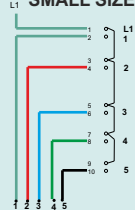
YPT1 14 K040/050/063/080

6.40- BÜYÜK KARE TİP (100A/125A/160A/200A) 1 FAZ 4 KADEMELİ KOMUTATÖR ŞALTER
LARGE SQUARE TYPE (100A/125A/160A/200A) 1 PHASE 4 STEPS COMMUTATOR SWITCH


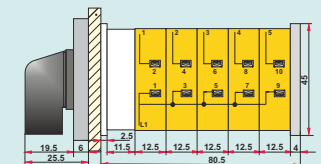
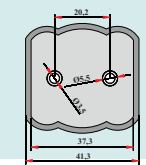
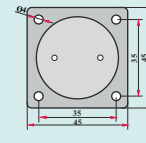
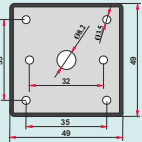
0	X	X	X	X
1	X	X	X	X
2	X	X	X	X
3	X	X	X	X
4	X	X	X	X



YPT1 14 K100/125/160/200

6.41- KÜÇÜK BOY (10A) 1 FAZ 5 KADEMELİ KOMUTATÖR ŞALTER
SMALL SIZE (10A) 1 PHASE 5 STEPS COMMUTATOR SWITCH


0	X	X	X	X	X
1	X	X	X	X	X
2	X	X	X	X	X
3	X	X	X	X	X
4	X	X	X	X	X
5	X	X	X	X	X



YPT1 15 K010

BAĞLANTI ŞEMASI CONNECTION DIAGRAM

ÖN GÖRÜNÜŞ FRONT

ÇERÇEVE FRAME

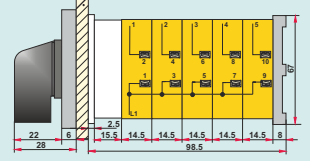
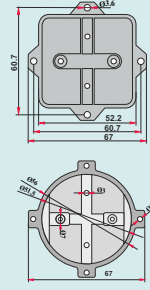
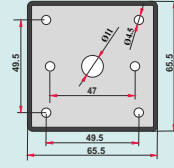
ALT KAPAK BOTTOM

YANDAN GÖRÜNÜŞ SIDE

6.42-ORTA BOY (16A/20A/25A/32A) 1 FAZ 5 KADEMELİ KOMUTATÖR MEDIUM SIZE (16A/20A/25A/32A) 1 PHASE 5 STEPS COMMUTATOR SWITCH

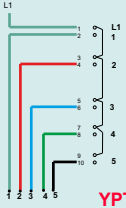


0	X	X	X	X	X
1	X	X	X	X	X
2	X	X	X	X	X
3	X	X	X	X	X
4	X	X	X	X	X
5	X	X	X	X	X

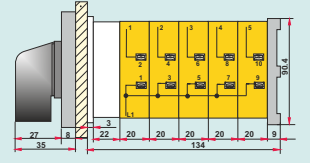
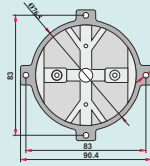
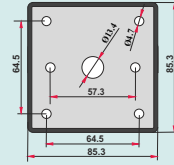
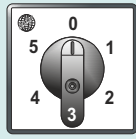


YPT1 15 K016/020/025/032

6.43-BÜYÜK BOY (40A/50A/63A/80A) 1 FAZ 5 KADEMELİ KOMUTATÖR LARGE SIZE (40A/50A/63A/80A) 1 PHASE 5 STEPS COMMUTATOR SWITCH

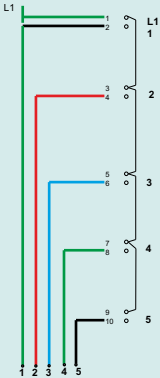


0	X	X	X	X	X
1	X	X	X	X	X
2	X	X	X	X	X
3	X	X	X	X	X
4	X	X	X	X	X
5	X	X	X	X	X

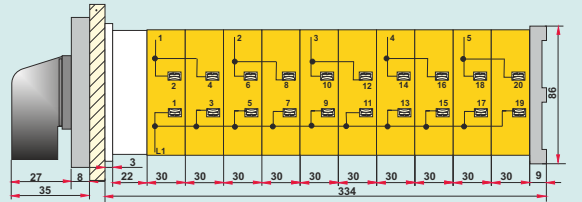
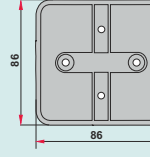
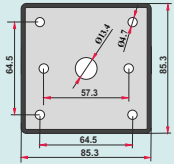
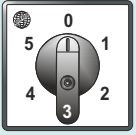


YPT1 15 K040/050/063/080

6.44-BÜYÜK KARE BOY (100A/125A/160A/200A) 1 FAZ 5 KADEMELİ KOMUTATÖR LARGE SQUARE TYPE (100A/125A/160A/200A) 1 PHASE 5 STEPS COMMUTATOR SWITCH

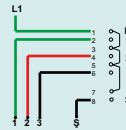


0	X	X	X	X	X
1	X	X	X	X	X
2	X	X	X	X	X
3	X	X	X	X	X
4	X	X	X	X	X
5	X	X	X	X	X

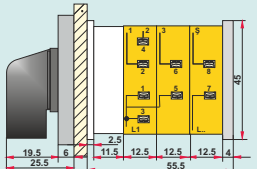
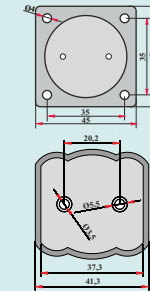
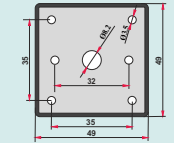


YPT1 15 100/125/160/200

6.45-KÜÇÜK BOY (10A) 1 FAZ 3 KADEMELİ ŞEBEKELİ SMALL SIZE (10A) 1 PHASE 3 STEPS WITH AUXILIARY WINDING

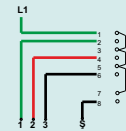


0	X	X	X
1	X	X	X
2	X	X	X

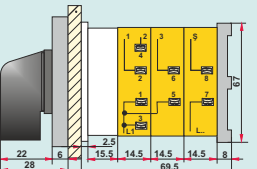
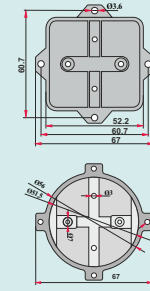
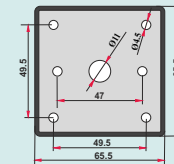


YPT1 13 Ş010

6.46-ORTA BOY (16A/20A/25A/32A) 1 FAZ 3 KADEMELİ ŞEBEKELİ MEDIUM SIZE (16A/20A/25A/32A) 1 PHASE 3 STEPS WITH AUXILIARY WINDING



0	X	X	X
1	X	X	X
2	X	X	X



YPT1 13 Ş016/020/025/032

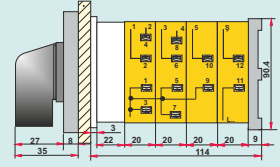
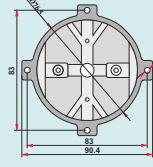
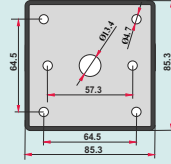
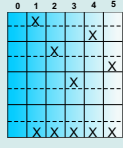
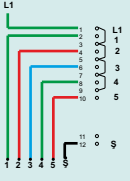

BAĞLANTI ŞEMASI
 CONNECTION DIAGRAM

ÖN GÖRÜNÜŞ
 FRONT

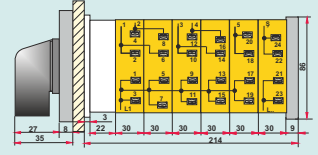
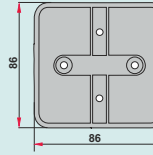
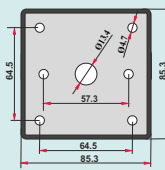
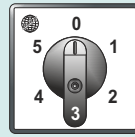
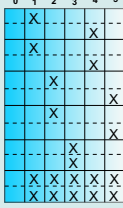
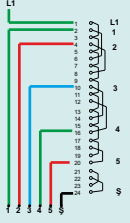
ÇERÇEVE
 FRAME

ALT KAPAK
 BOTTOM

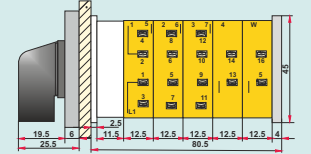
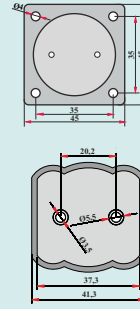
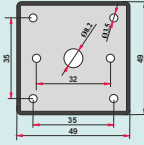
YANDAN GÖRÜNÜŞ
 SIDE

6.47-BÜYÜK BOY (40A/50A/63A/80A) 1 FAZ 5 KADEMELİ ŞEBEKELİ
 LARGE SIZE (40A/50A/63A/80A) 1 PHASE 5 STEPS WITH AUXILIARY WINDING


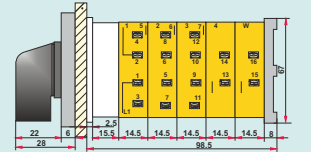
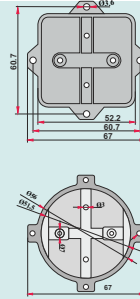
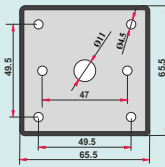
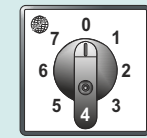
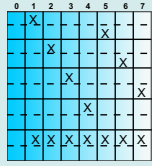
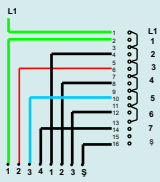
YPT1 15 Ş040/050/063/080

6.48-BÜYÜK KARE TİP (100A/125A/160A/200A) 1 FAZ 5 KADEMELİ ŞEBEKELİ
 LARGE SQUARE TYPE (100A/125A/160A/200A) 1 PHASE 5 STEPS WITH AUXILIARY WINDING


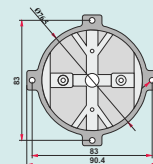
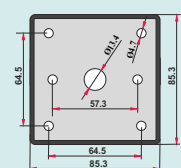
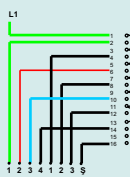
YPT1 15 Ş100/125/160/200

6.49-KÜÇÜK BOY (10A) 1 FAZ 7 KADEMELİ ŞEBEKELİ
 SMALL SIZE (10A) 1 PHASE 7 STEPS WITH AUXILIARY WINDING


YPT1 17 Ş010

6.50-ORTA BOY (16A/20A/25A/32A) 1 FAZ 7 KADEMELİ ŞEBEKELİ
 MEDIUM SIZE (16A/20A/25A/32A) 1 PHASE 7 STEPS WITH AUXILIARY WINDING


YPT1 17 016/020/025/032

6.51-BÜYÜK BOY (40A/50A/63A/80A) 1 FAZ 7 KADEMELİ ŞEBEKELİ
 LARGE SIZE (40A/50A/63A/80A) 1 PHASE 7 STEPS WITH AUXILIARY WINDING


YPT1 17 Ş040/050/063/080

BAĞLANTI ŞEMASI
CONNECTION DIAGRAM

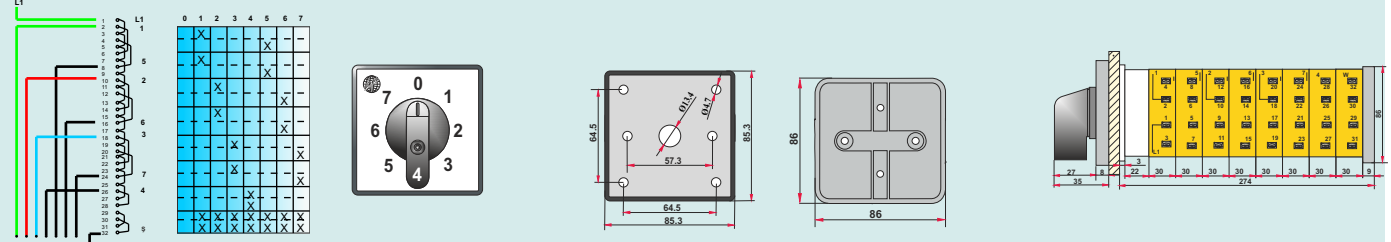
ÖN GÖRÜNÜŞ
FRONT

ÇERÇEVE
FRAME

ALT KAPAK
BOTTOM

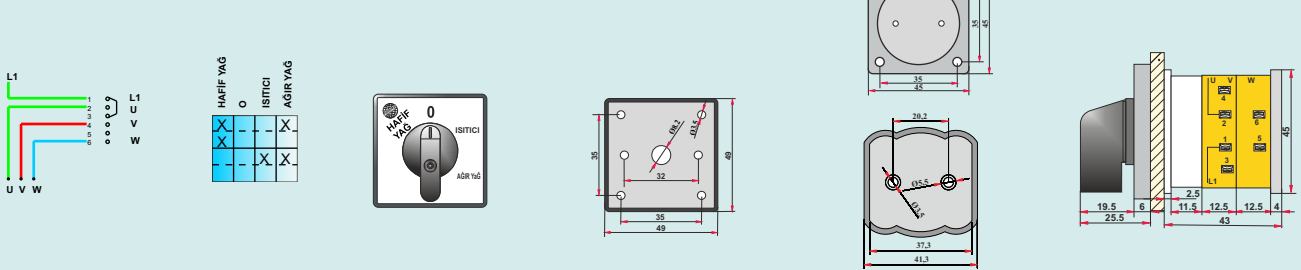
YANDAN GÖRÜNÜŞ
SIDE

6.52- BÜYÜK KARE TİP (100A/125A/160A/200A) 1 FAZ 7 KADEMELİ ŞEBEKELİ
LARGE SQUARE TYPE (100A/125A/160A/200A) 1 PHASE 7 STEPS WITH AUXILIARY WINDING



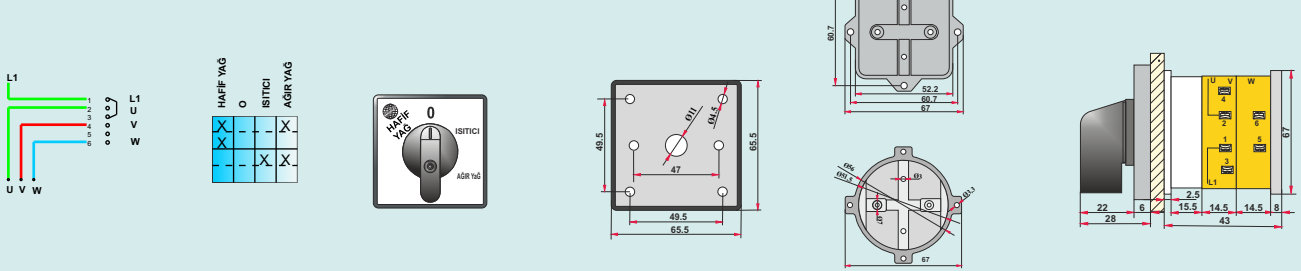
YPT1 17 Ş100/125/160/200

6.53- KÜÇÜK BOY (10A) 1 FAZ BRULÖR YAĞ ŞALTERİ
SMALL SIZE (10A) 1 PHASE BURNER OIL SWITCH



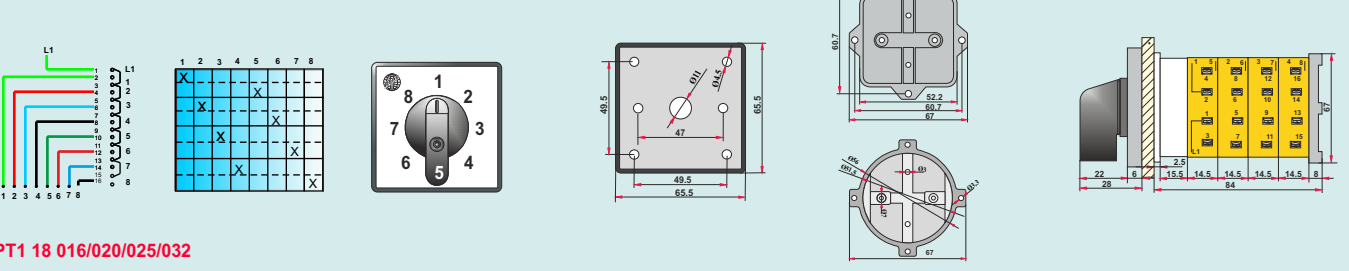
YPT1 13 Y010

6.54- ORTA BOY (16A/20A/25A/32A) 1 FAZ BRULÖR YAĞ ŞALTERİ
MEDIUM SIZE (16A/20A/25A/32A) 1 PHASE BURNER OIL SWITCH



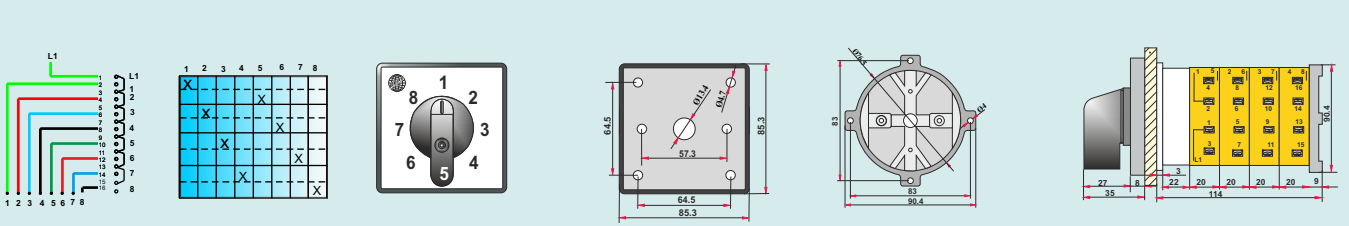
YPT1 13 Y016/020/025/032

6.55- ORTA BOY (16A/20A/25A/32A) 1 FAZ 8 KADEMELİ ŞALTER
MADIUM SIZE (16A/20A/25A/32A) 1 PHASE 8 STEPS SWITCH

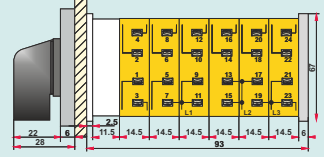
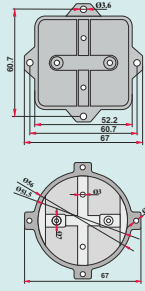
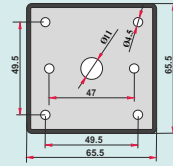
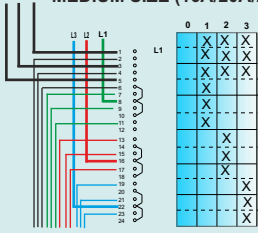


YPT1 18 016/020/025/032

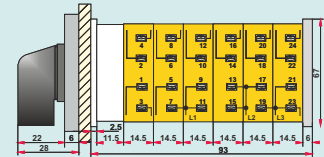
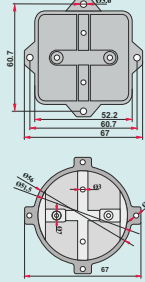
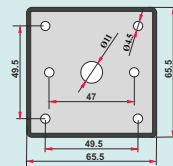
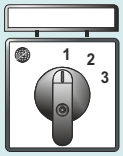
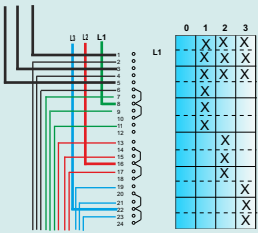
6.56- BÜYÜK BOY (40A/50A/63A/80A) 1 FAZ 8 KADEMELİ ŞALTER
LARGE SIZE (40A/50A/63A/80A) 1 PHASE 8 STEPS SWITCH



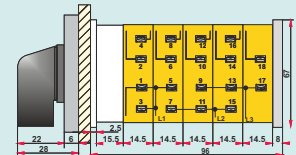
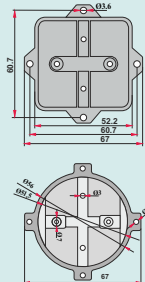
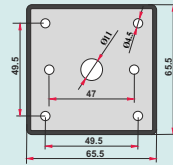
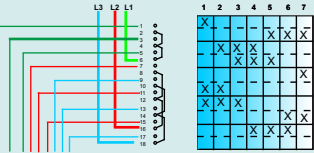
YPT1 18 040/050/063/080

BAĞLANTI ŞEMASI
CONNECTION DIAGRAM
ÖN GÖRÜNÜŞ
FRONT
ÇERÇEVE
FRAME
ALT KAPAK
BOTTOM
YANDAN GÖRÜNÜŞ
SIDE
7.1 - ORTA BOY (16A/20A/25A/32A) 3 FAZ 3 KADEMELİ GAZALTI ŞALTER
MEDIUM SIZE (16A/20A/25A/32A) 3 PHASE MIG/MAG WELDING 3 STEPS SWITCH


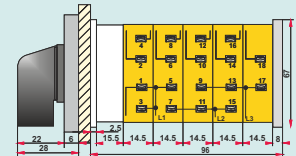
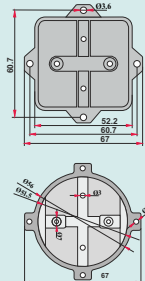
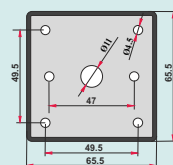
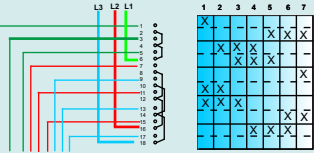
YPT3 G1 016/020/025/032

7.2 - BÜYÜK BOY (40A/50A) 3 FAZ 3 KADEMELİ GAZALTI ŞALTER
LARGE SIZE (40A/50A) 3 PHASE MIG/MAG WELDING 3 STEPS SWITCH


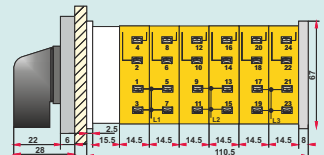
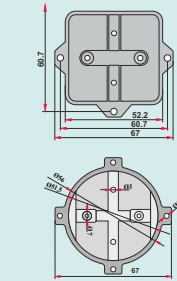
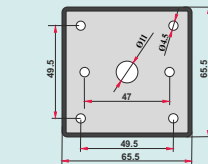
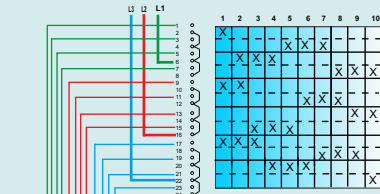
YPT3 G1 040/050

7.3 - ORTA BOY (16A/20A/25A/32A) 3 FAZ 7 KADEMELİ GAZALTI ŞALTER
MEDIUM SIZE (16A/20A/25A/32A) 3 PHASE MIG/MAG WELDING 7 STEPS SWITCH


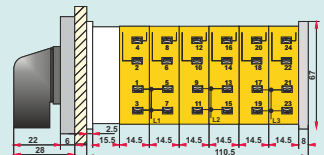
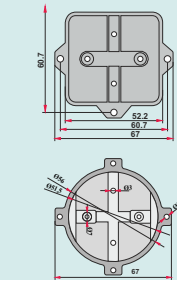
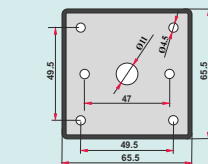
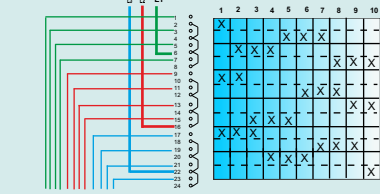
YPT3 G2 016/020/025/032

7.4 - BÜYÜK BOY (40A/50A) 3 FAZ 7 KADEMELİ GAZALTI ŞALTER
LARGE SIZE (40A/50A) 3 PHASE MIG/MAG WELDING 7 STEPS SWITCH


YPT3 G2 040/050

7.5 - ORTA BOY (16A/20A/25A/32A) 3 FAZ 10 KADEMELİ GAZALTI ŞALTER
MEDIUM SIZE (16A/20A/25A/32A) 3 PHASE MIG/MAG WELDING 10 STEPS SWITCH


YPT3 G3 016/020/025/032

7.6 - BÜYÜK BOY (40A/50A) 3 FAZ 10 KADEMELİ GAZALTI ŞALTER
LARGE SIZE (40A/50A) 3 PHASE MIG/MAG WELDING 10 STEPS SWITCH


NPT3 G3 040/050



BÜYÜK BOY
LARGE SIZE

MİL BOYU
SHAFT DIMENSIONS

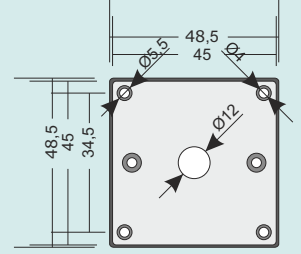
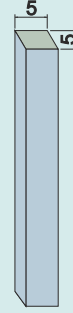
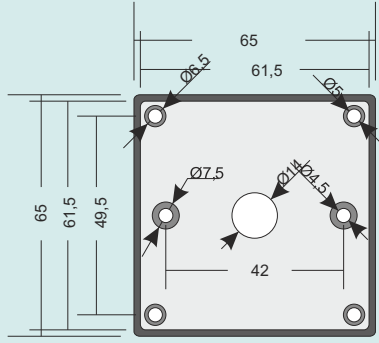
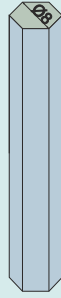
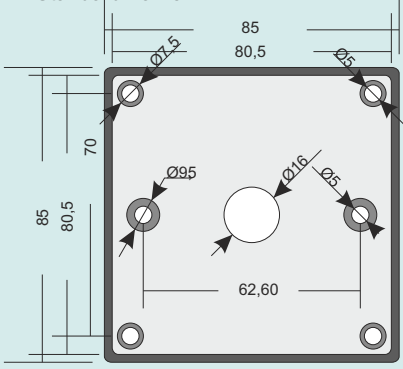
ORTA BOY
MEDIUM SIZE

MİL BOYU
SHAFT DIMENSIONS

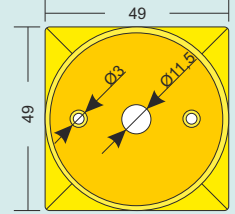
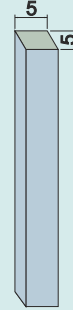
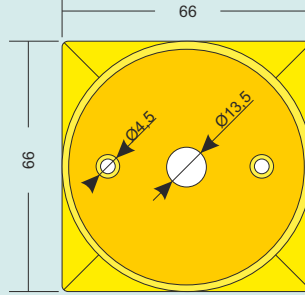
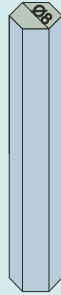
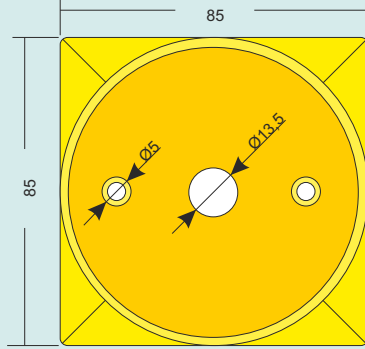
KÜÇÜK BOY
SMALL SIZE

MİL BOYU
SHAFT DIMENSIONS

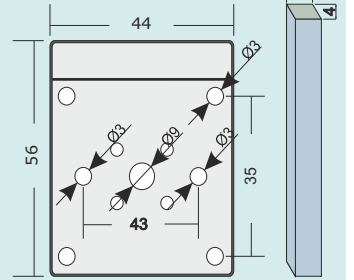
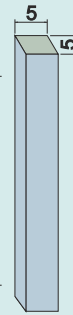
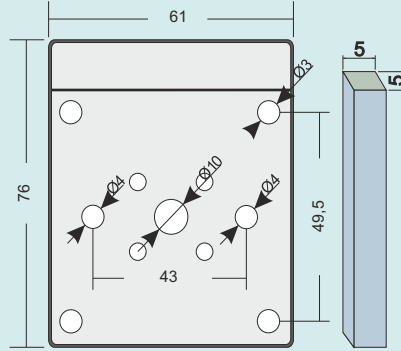
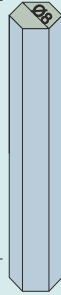
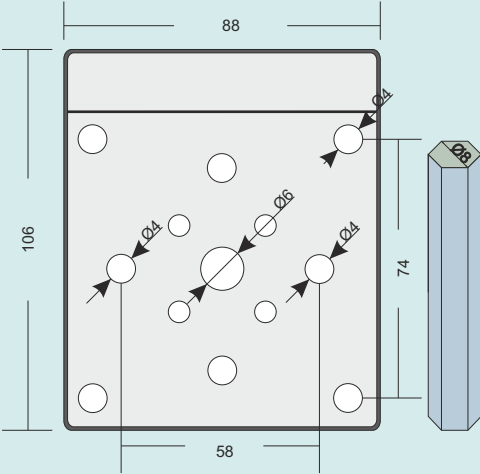
8.1 -Standart çerçeve
Standard frame



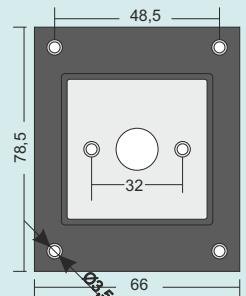
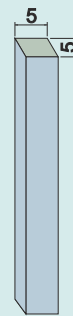
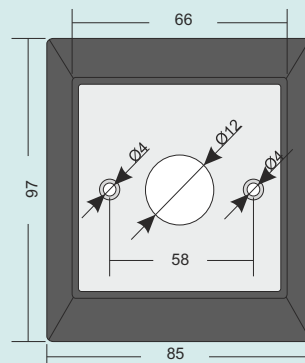
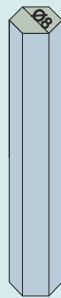
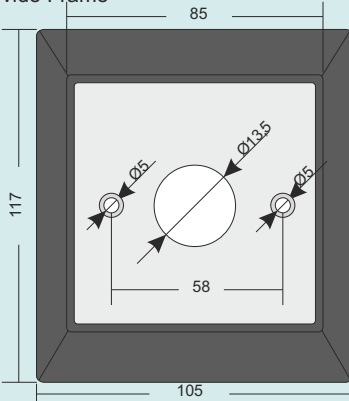
8.2 -Kilitli Çerçeve
Padlock Frame



8.3 -Etiketli Çerçeve
Labelled Frame



8.4 -Geniş Çerçeve
Wide Frame



BÜYÜK BOY
LARGE SIZE

MİL BOYU
SHAFT DIMENSIONS

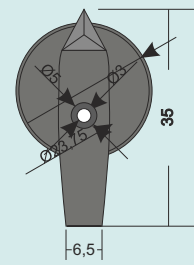
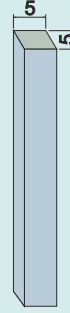
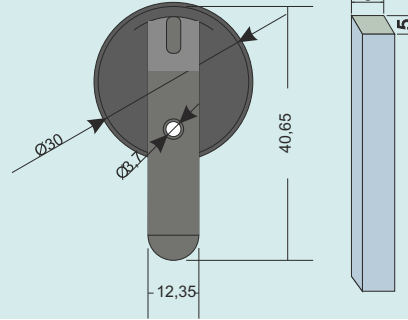
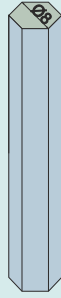
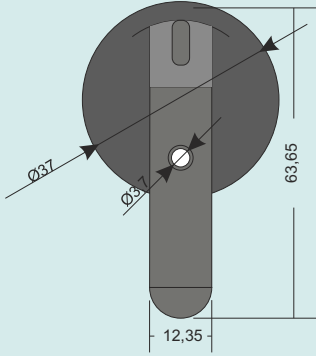
ORTA BOY
MEDIUM SIZE

MİL BOYU
SHAFT DIMENSIONS

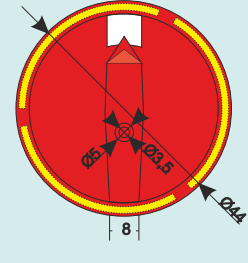
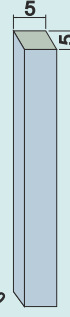
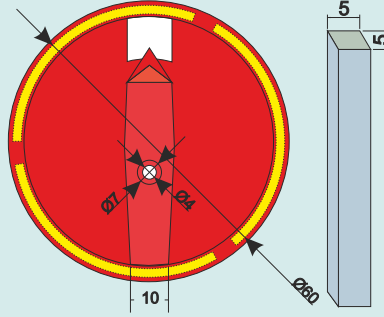
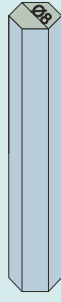
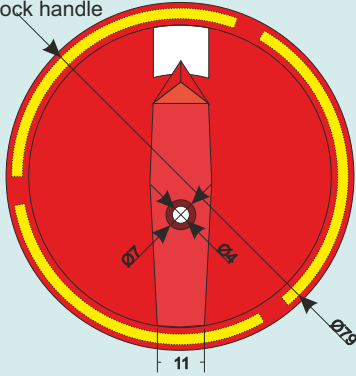
KÜÇÜK BOY
SMALL SIZE

MİL BOYU
SHAFT DIMENSIONS

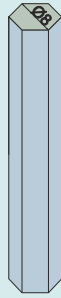
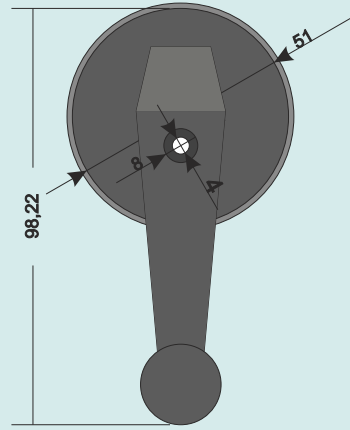
8.5 -Standart kelebek
Standard handle



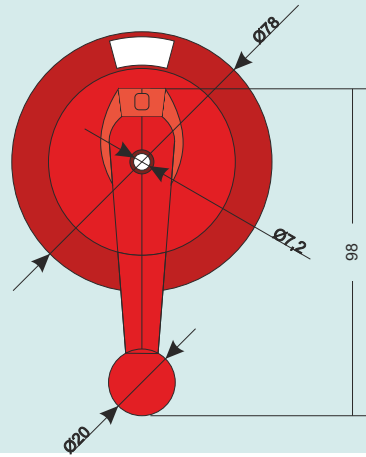
8.6 -Kilitli kelebek
Padlock handle



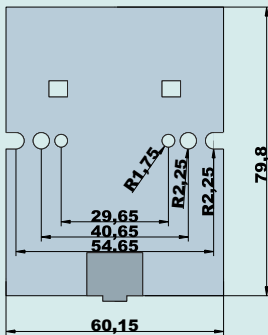
8.7 -Topuz kelebek
Knob latch



8.8 -Kilitli topuz kelebek
Knob lock

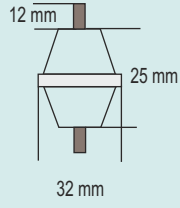


8.9 - Ray Klemens Aparatı
Rail Clip Apparatus

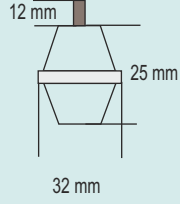


Tabandan şalterin tabanına vida takılmak suretiyle montaj edilir. Ordan da ray klemensine takılabilir.

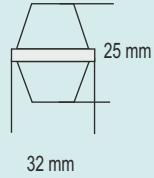
The rail clip is assembled to the base of the switch with a screw and so, the switch can be assembled to the rail.

ÇİZİM
DRAWING**SON ÜRÜN**
FINAL PRODUCT**9.1 - METRİK 5 ÇİFT CİVATALI İZOLATÖR**
METRIC 5 DOUBLE SCREW INSULATOR

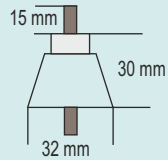
OPA 1N 005

9.2 - METRİK 5 CİVATA + SOMUN İZOLATÖR
METRIC 5 SCREW + NUT INSULATOR

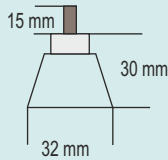
OPA 1N 015

9.3 - METRİK 5 ÇİFT SOMUNLU İZOLATÖR
METRIC 5 DOUBLE NUT INSULATOR

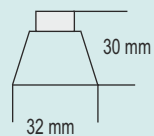
OPA 1N 115

9.4 - METRİK 6 ÇİFT CİVATALI İZOLATÖR
METRIC 6 DOUBLE SCREW INSULATOR

OPA 1N 006

9.5 - METRİK 6 CİVATA + SOMUN İZOLATÖR
METRIC 6 SCREW + NUT INSULATOR

OPA 1N 016

9.6 - METRİK 6 ÇİFT SOMUNLU İZOLATÖR
METRIC 6 DOUBLE NUT INSULATOR

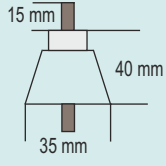
OPA 1N 116



ÇİZİM
DRAWING

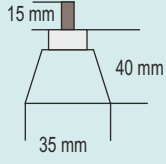
SON ÜRÜN
FINAL PRODUCT

9.7 - METRİK 8 ÇİFT CİVATALI İZOLATÖR
METRIC 8 DOUBLE SCREW INSULATOR



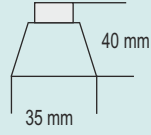
OPA 1N 008

9.8 - METRİK 8 CİVATA + SOMUN İZOLATÖR
METRIC 8 SCREW + NUT INSULATOR



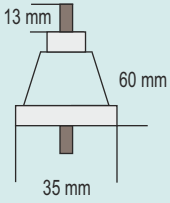
OPA 1N 018

9.9 - METRİK 8 ÇİFT SOMUNLU İZOLATÖR
METRIC 8 DOUBLE NUT INSULATOR



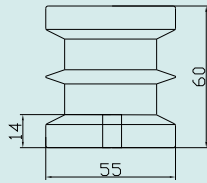
OPA 1N 118

9.10 - METRİK 6 ÇİFT CİVATALI İZOLATÖR (65 mm)
METRIC 6 DOUBLE SCREW INSULATOR (65 mm)



OPA 2N 006

9.11 - 1N 500 İZOLATÖR
1N 500 INSULATOR



OPA 1N 500



MUHAFAZA KUTULARI

CAM SWITCH ENCLOSURES

YANDAN GÖRÜNÜŞ
SIDE

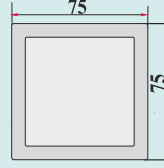
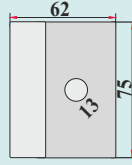
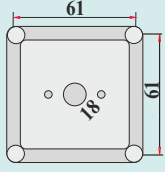
ÜST GÖRÜNÜŞ
TOP

ALT KAPAK
BOTTOM

SON ÜRÜN
FINAL PRODUCT

UYGUN ŞALTERLER
SUITABLE SWITCHES

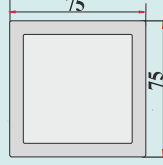
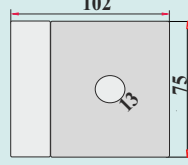
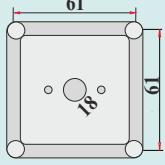
10.1 - IP 65 MİNİK BOY KISA ŞALTER KUTUSU
IP 65 MINI SIZE SHORT ENCLOSURE BOX



1-2-3-4 FAZ / Phase 10A. PAKO (AÇ-KAPA) / On - Off
1-2 FAZ / Phase 10A. KUTUP DEĞİŞTİRİCİ / Changeover
1 FAZ / Phase 10A. 2-3-4 KADEMELİ / Steps
1-2 FAZ / Phase 10A. ENVERSÖR / Reversing

KUT IP 6501

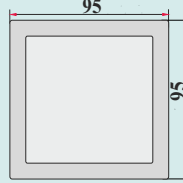
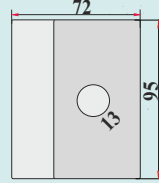
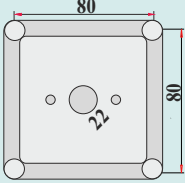
10.2 - IP 65 MİNİK BOY UZUN ŞALTER KUTUSU
IP 65 MINI SIZE LONG ENCLOSURE BOX



1-2-3-4 FAZ / Phase 10A. AÇ-KAPA / On - Off
1-2-3-4 FAZ / Phase 10A. KUTUP DEĞİŞTİRİCİ / Changeover
1-2-3-4 FAZ / Phase 10A. 1-2-3-4-5-6-7 KADEMELİ / Steps

KUT IP 6502

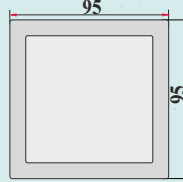
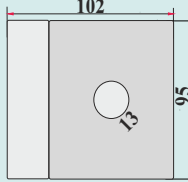
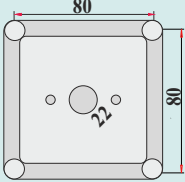
10.3 - IP 65 ORTA BOY KISA ŞALTER KUTUSU
IP 65 MEDIUM SIZE SHORT ENCLOSURE BOX



1-2-3-4 FAZ / Phase 16-20-25-32A. AÇ KAPA / On - Off
1-2 FAZ / Phase 16-20-25-32A. KUTUP DEĞİŞTİRİCİ / Changeover
1-2 FAZ / Phase 16-20-25-32A. ENVERSÖR / Reversing

KUT IP 6503

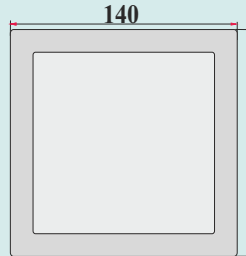
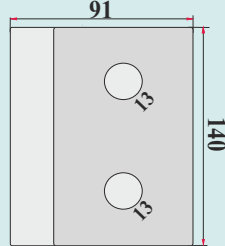
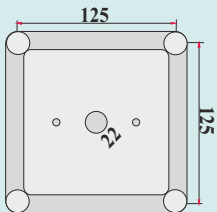
10.4 - IP 65 ORTA BOY UZUN ŞALTER KUTUSU
IP 65 MEDIUM SIZE LONG ENCLOSURE BOX



1-2-3-4 FAZ / Phase 16-20-25-32 A. AÇ KAPA / On - Off
1-2-3-4 FAZ / Phase 16-20-25-32 A. KUTUP DEĞİŞTİRİCİ / On - Off
1-2-3-4 FAZ / Phase 16-20-25-32 A. ENVERSÖR / Reversing
1 FAZ / Phase 1-2-3-4-5-6-7 KADEMELİ / Steps

KUT IP 6504

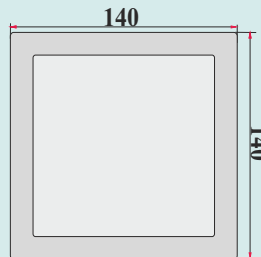
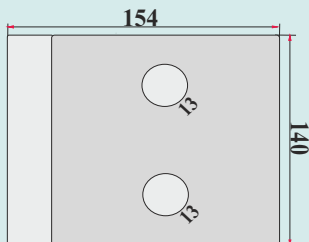
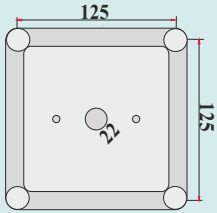
10.5 - IP 65 BÜYÜK BOY KISA ŞALTER KUTUSU
IP 65 LARGE SIZE SHORT ENCLOSURE BOX



1-2-3-4 FAZ / Phase 40-50-63-80 A. AÇ-KAPA / On - Off
1-2 FAZ / Phase 40-50-63-80 A. KUTUP DEĞİŞTİRİCİ / Changeover
1-2 FAZ / Phase 40-50-63-80 A. ENVERSÖR / Reversing
1-2 FAZ / Phase 40-50-63-80 A. 2-3-4 KADEMELİ / Steps

KUT IP 6505

10.6 - IP 65 BÜYÜK BOY UZUN ŞALTER KUTUSU
IP 65 LARGE SIZE LONG ENCLOSURE BOX



1-2-3-4 FAZ / Phase 40-50-63-80 A. AÇ KAPA / On - Off
1-2-3-4 FAZ / Phase 40-50-63-80 A. KUTUP DEĞİŞTİRİCİ / Changeover
1-2-3-4 FAZ / Phase 40-50-63-80 A. ENVERSÖR / Reversing
1-2-3-4 FAZ / Phase 40-50-63-80 A. 1-2-3-4-5-6-7 KADEMELİ / Steps
1-2-3-4 FAZ / Phase 40-50-63-80 A. YILDIZ ÜÇGEN VE ÇİFT DEVİR
MOT.ŞALTER / Star Delta and Double Speed Motor Control
1-2-3-4 FAZ / Phase 100-125 A. AÇ KAPA / On - Off
1-2 FAZ / Phase 100-125 A. KUTUP DEĞİŞTİRİCİ / Changeover
1-2 FAZ / Phase 100-125 A. ENVERSÖR / Reversing

KUT IP 6506

DAHA BÜYÜK ŞALTERLER İÇİN LÜTFEN
POLYESTER VE ABS PANOLARIMIZI TERCİH EDİNİZ.
YOU NEED TO USE OUR POLYESTER
AND ABS ENCLOSURES FOR LARGER CAM SWITCHES.

ÖN GÖRÜNÜŞ
FRONT

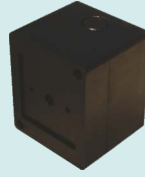
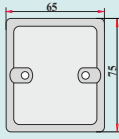
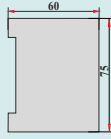
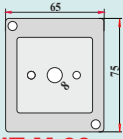
YANDAN GÖRÜNÜŞ
SIDE

ALT KAPAK
BOTTOM

SON ÜRÜN
FINAL PRODUCT

UYGUN ŞALTERLER
SUITABLE SWITCHES

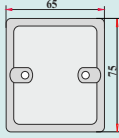
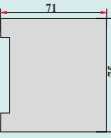
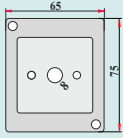
10.7 - IP 54 MİNİK BOY ŞALTER KUTUSU
IP 54 MINI SIZE ENCLOSURE BOX



1-2-3-4 FAZ / Phase 10A. PAKO (AÇ-KAPA) / On - Off
1-2 FAZ / Phase 10A. KUTUP DEĞİŞTİRİCİ / Changeover
1 FAZ / Phase 10A. 2-3-4 KADEMELİ / Steps
1-2 FAZ / Phase 10A. ENVERSÖR / Reversing

KUT M 00

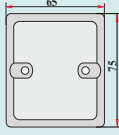
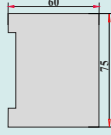
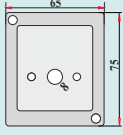
10.8 - IP 54 BÜYÜK BOY ŞALTER KUTUSU
IP 54 LARGE SIZE ENCLOSURE BOX



1-2-3-4 FAZ / Phase 10 A. AÇ-KAPA / On - Off
1-2-3-4 FAZ / Phase 10 A. KUTUP DEĞİŞTİRİCİ / Changeover
1-2-3-4 FAZ / Phase 10 A. 1-2-3-4-5-6-7 KADEMELİ / Steps

KUT M 01

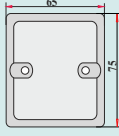
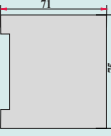
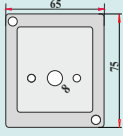
10.9 - IP 54 MİNİK BOY ETİKETLİ ŞALTER KUTUSU
IP 54 MINI SIZE LABELED ENCLOSURE BOX



1-2-3-4 FAZ / Phase 10A. PAKO (AÇ-KAPA) / On - Off
1-2 FAZ / Phase 10A. KUTUP DEĞİŞTİRİCİ / Changeover
1 FAZ / Phase 10A. 2-3-4 KADEMELİ / Steps
1-2 FAZ / Phase 10A. ENVERSÖR / Reversing

KUT ME 00

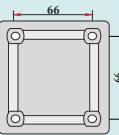
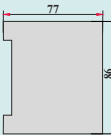
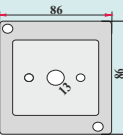
10.10 - IP 54 BÜYÜK BOY ETİKETLİ ŞALTER KUTUSU
IP 54 LARGE SIZE LABELED ENCLOSURE BOX



1-2-3-4 FAZ / Phase 10 A. AÇ-KAPA / On - Off
1-2-3-4 FAZ / Phase 10 A. KUTUP DEĞİŞTİRİCİ / Changeover
1-2-3-4 FAZ / Phase 10 A. 1-2-3-4-5-6-7 KADEMELİ / Steps

KUT ME 01

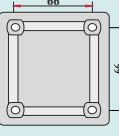
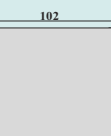
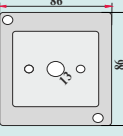
10.11 - IP 54 ORTA BOY KISA ŞALTER KUTUSU
IP 54 MEDIUM SIZE SHORT ENCLOSURE BOX



1-2-3-4 FAZ / Phase 16-20-25-32A. AÇ KAPA / On - Off
1-2 FAZ / Phase 16-20-25-32A. KUTUP DEĞİŞTİRİCİ / Changeover
1-2 FAZ / Phase 16-20-25-32A. ENVERSÖR / Reversing

KUT 00

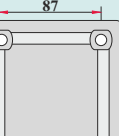
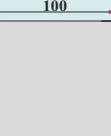
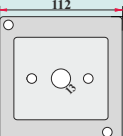
10.12 - IP 54 ORTA BOY UZUN PAKET
IP 54 MEDIUM SIZE LONG ENCLOSURE BOX



1-2-3-4 FAZ / Phase 16-20-25-32 A. AÇ KAPA / On - Off
1-2-3-4 FAZ / Phase 16-20-25-32 A. KUTUP DEĞİŞTİRİCİ / On - Off
1-2-3-4 FAZ / Phase 16-20-25-32 A. ENVERSÖR / Reversing
1 FAZ / Phase 1-2-3-4-5-6-7 KADEMELİ / Steps

KUT 01

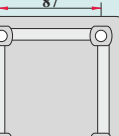
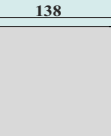
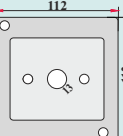
10.13 - IP 54 BÜYÜK BOY KISA ŞALTER KUTUSU
IP 54 LARGE SIZE SHORT ENCLOSURE BOX



1-2-3-4 FAZ / Phase 40-50-63-80 A. AÇ-KAPA / On - Off
1-2 FAZ / Phase 40-50-63-80 A. KUTUP DEĞİŞTİRİCİ / Changeover

KUT 02

10.14 - IP 54 BÜYÜK BOY UZUN ŞALTER KUTUSU
IP 54 LARGE SIZE LONG ENCLOSURE BOX



1-2-3-4 FAZ / Phase 40-50-63-80 A. KUTUP DEĞİŞTİRİCİ / Changeover
1-2-3-4 FAZ / Phase 40-50-63-80 A. ENVERSÖR / Reversing
1-2-3-4 FAZ / Phase 40-50-63-80 A. YILDIZ ÜÇGEN VE ÇİFT DEVİR
MOT.ŞALTER / Star Delta and Double Speed Motor Control
1-2-3-4 FAZ / Phase 100-125 A. AÇ KAPA / On - Off
1-2 FAZ / Phase 100-125 A. KUTUP DEĞİŞTİRİCİ / Changeover
1-2 FAZ / Phase 100-125 A. ENVERSÖR / Reversing

KUT 03

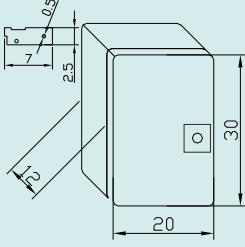
DAHA BÜYÜK ŞALTERLER İÇİN LÜTFEN POLYESTER VE ABS PANOLARIMIZI TERCİH EDİNİZ.
YOU NEED TO USE OUR POLYESTER AND ABS ENCLOSURES FOR LARGER CAM SWITCHES.

ÇİZİM
DRAWING

İÇ GÖRÜNÜŞ
INTERIOR VIEW

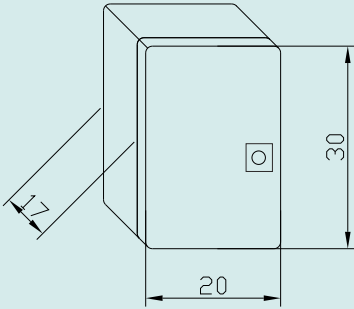
DIŞ GÖRÜNÜŞ
EXTERIOR VIEW

11.1 - 20cm X 30cm X 12cm TABAN SACLI POLYESTER PANO
20cm X 30cm X 12cm POLYESTER ENCLOSURES WITH BASE PLATE



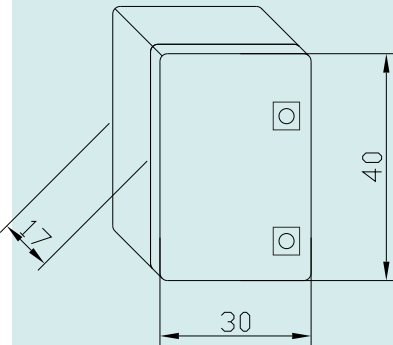
OPN 20x30x12

11.2 - 20cm X 30cm X 17cm TABAN SACLI POLYESTER PANO
20cm X 30cm X 17cm POLYESTER ENCLOSURES WITH BASE PLATE



OPN 20x30x17

11.3 - 30cm X 40cm X 17cm TABAN SACLI POLYESTER PANO
30cm X 40cm X 17cm POLYESTER ENCLOSURES WITH BASE PLATE



OPN 30x40x17

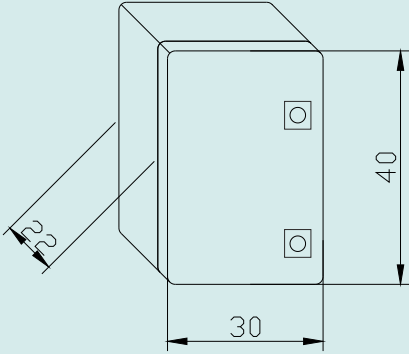


ÇİZİM
DRAWING

İÇ GÖRÜNÜŞ
INTERIOR VIEW

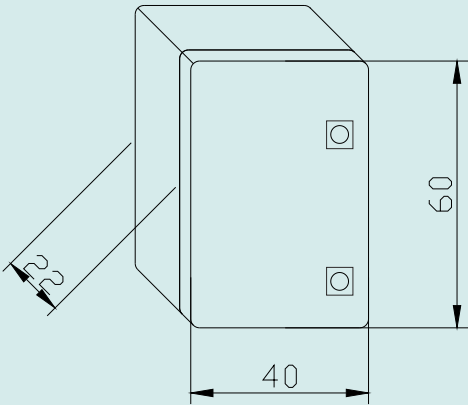
DIŞ GÖRÜNÜŞ
EXTERIOR VIEW

11.4 - 30cm X 40cm X 22cm TABAN SACLI POLYESTER PANO
30cm X 30cm X 22cm POLYESTER ENCLOSURES WITH BASE PLATE



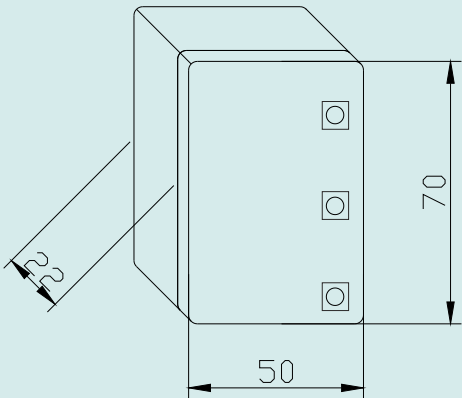
OPN 30x40x22

11.5 - 40cm X 60cm X 22cm TABAN SACLI POLYESTER PANO
40cm X 60cm X 22cm POLYESTER ENCLOSURES WITH BASE PLATE

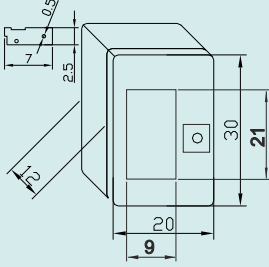


OPN 40x60x22

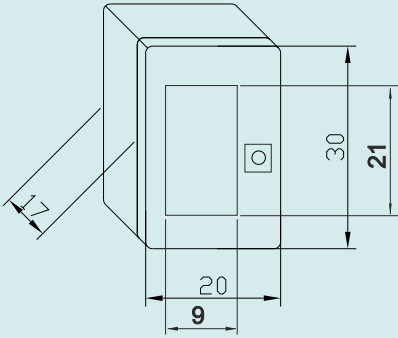
11.6 - 50cm X 70cm X 22cm POLYESTER TABAN SACLI PANO
50cm X 70cm X 22cm POLYESTER ENCLOSURES WITH BASE PLATE



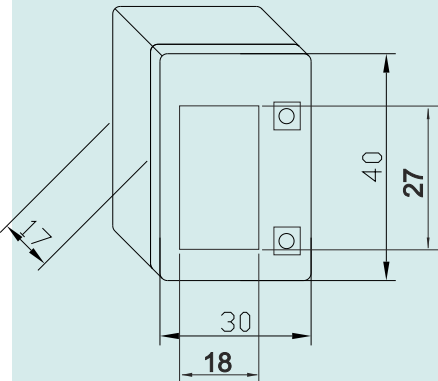
OPN 50x70x22

ÇİZİM
DRAWINGİÇ GÖRÜNÜŞ
INTERIOR VIEWDIŞ GÖRÜNÜŞ
EXTERIOR VIEW11.7 - 20cm X 30cm X 12cm POLYESTER PLEKSİGLAS ŞEFFAF CAMLI PANO
20cm X 30cm X 12cm POLYESTER ENCLOSURES WITH TRANSPARENT PLEXIGLASS WINDOW

OPN 20x30x12

11.8 - 20cm X 30cm X 17cm POLYESTER PLEKSİGLAS ŞEFFAF CAMLI PANO
20cm X 30cm X 17cm POLYESTER ENCLOSURES WITH TRANSPARENT PLEXIGLASS WINDOW

OPN 20x30x17

11.9 - 30cm X 40cm X 17cm POLYESTER PLEKSİGLAS ŞEFFAF CAMLI PANO
30cm X 40cm X 17cm POLYESTER ENCLOSURES WITH TRANSPARENT PLEXIGLASS WINDOW

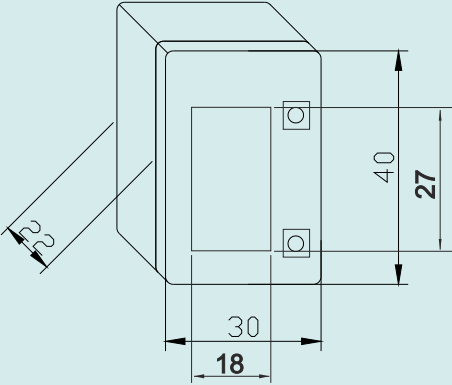
OPN 30x40x17

ÇİZİM
DRAWING

İÇ GÖRÜNÜŞ
INTERIOR VIEW

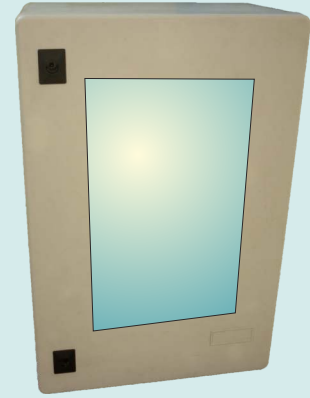
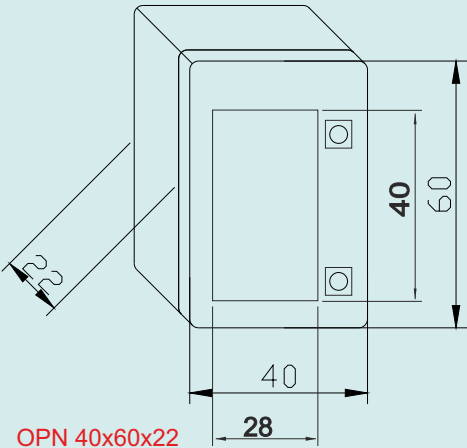
DIŞ GÖRÜNÜŞ
EXTERIOR VIEW

11.10 - 30cm X 40cm X 22cm POLYESTER PLEKSİGLAS ŞEFFAF CAMLI PANO
30cm X 30cm X 22cm POLYESTER ENCLOSURES WITH TRANSPARENT PLEXIGLASS WINDOW



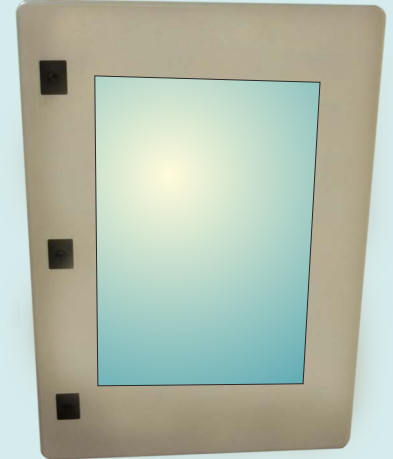
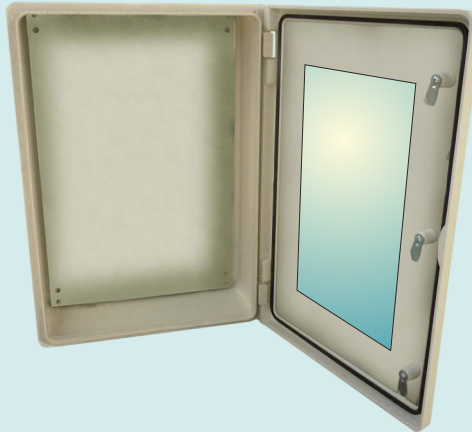
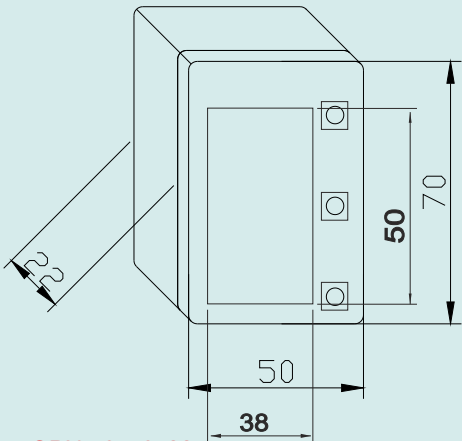
OPN 30x40x22

11.11 - 40cm X 60cm X 22cm POLYESTER PLEKSİGLAS ŞEFFAF CAMLI PANO
40cm X 60cm X 22cm POLYESTER ENCLOSURES WITH TRANSPARENT PLEXIGLASS WINDOW



OPN 40x60x22

11.12 - 50cm X 70cm X 22cm POLYESTER PLEKSİGLAS ŞEFFAF CAMLI PANO
50cm X 70cm X 22cm POLYESTER ENCLOSURES WITH TRANSPARENT PLEXIGLASS WINDOW



OPN 50x70x22

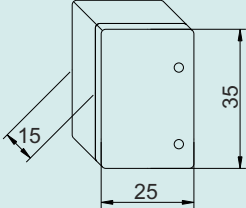


ÇİZİM
DRAWING

İÇ GÖRÜNÜŞ
INTERIOR VIEW

DIŞ GÖRÜNÜŞ
EXTERIOR VIEW

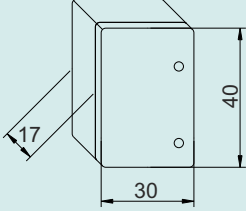
12.1 - 25cm X 35cm X 15cm OPAK KAPAKLI POLİKARBONAT / ABS PANO
25cm X 35cm X 15cm POLYCARBONATE / ABS ENCLOSURES WITH OPAQUE DOOR



OPKN 25x35x15



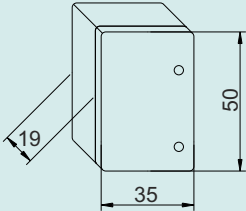
12.2 - 30cm X 40cm X 17cm OPAK KAPAKLI POLİKARBONAT / ABS PANO
30cm X 40cm X 17cm POLYCARBONATE / ABS ENCLOSURES WITH OPAQUE DOOR



OPKN 30x40x17



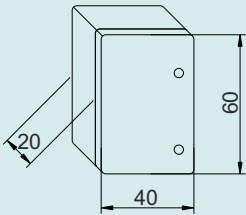
12.3 - 35cm X 50cm X 19cm OPAK KAPAKLI POLİKARBONAT / ABS PANO
35cm X 50cm X 19cm POLYCARBONATE / ABS ENCLOSURES WITH OPAQUE DOOR



OPKN 35x50x19



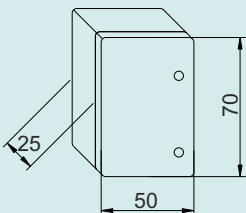
12.4 - 40cm X 60cm X 20cm OPAK KAPAKLI POLİKARBONAT / ABS PANO
40cm X 60cm X 20cm POLYCARBONATE / ABS ENCLOSURES WITH OPAQUE DOOR



OPKN 40x60x20



12.5 - 50cm X 70cm X 25cm OPAK KAPAKLI POLİKARBONAT / ABS PANO
50cm X 70cm X 25cm POLYCARBONATE / ABS ENCLOSURES WITH OPAQUE DOOR

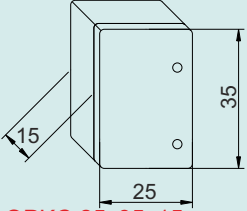


OPKN 50x70x25



ÇİZİM
DRAWINGİÇ GÖRÜNÜŞ
INTERIOR VIEWDIŞ GÖRÜNÜŞ
EXTERIOR VIEW

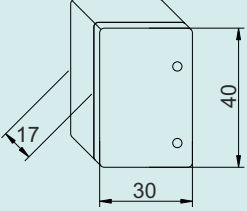
12.6 - 25cm X 35cm X 15cm CAM KAPAKLI POLİKARBONAT / ABS PANO
25cm X 35cm X 15cm POLYCARBONATE / ABS ENCLOSURES WITH TRANSPARENT DOOR



OPKC 25x35x15



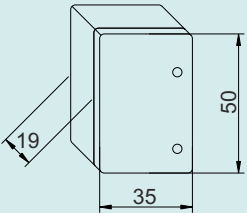
12.7 - 30cm X 40cm X 17cm CAM KAPAKLI POLİKARBONAT / ABS PANO
30cm X 40cm X 17cm POLYCARBONATE / ABS ENCLOSURES WITH TRANSPARENT DOOR



OPKC 30x40x17



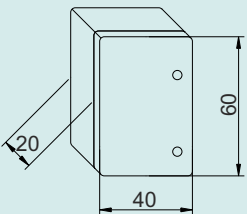
12.8 - 35cm X 50cm X 19cm CAM KAPAKLI POLİKARBONAT / ABS PANO
35cm X 50cm X 19cm POLYCARBONATE / ABS ENCLOSURES WITH TRANSPARENT DOOR



OPKC 35x50x19



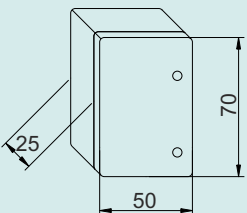
12.9 - 40cm X 60cm X 20cm CAM KAPAKLI POLİKARBONAT / ABS PANO
40cm X 60cm X 20cm POLYCARBONATE / ABS ENCLOSURES WITH TRANSPARENT DOOR



OPKC 40x60x20



12.10 - 50cm X 70cm X 25cm CAM KAPAKLI POLİKARBONAT / ABS PANO
50cm X 70cm X 25cm POLYCARBONATE / ABS ENCLOSURES WITH TRANSPARENT DOOR



OPKC 50x70x25



Tesislerimizde üretimini yaptığımız Opaş ve Pas marka ürünlerimiz, modern test cihazlarında tüm kontrolleri yapılarak piyasaya sunulmaktadır.



Our products reliability is guaranteed by the use of in - house technologies throughout the entire production cyler from design and construction to test on each component used in manufacturing and testing the final product.

OPAS ELK. MLZ. LTD. ŞTi.

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2010

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