



Pako Şalterleri

Cam Switches

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Genel Özellikler ve Teknik Bilgiler	E-2
Pako Şalterlerin Seçim Tablosu	E-3
Açma Kapama Şalterleri	E-4
Kutup Değiştirici Şalterler	E-5
Motor Kumanda Şalterleri	E-6
Kademeli Şalterler	E-8
Ölçü Komütatör Şalterleri	E-10
Emniyet Tipi Açma Kapama Şalterleri	E-11
Teknik Özellikler	E-12
Montaj Şekilleri ve Boyutlar	E-13
Pako Şalter Özel Sipariş Formu	E-14

General Specifications and Technical Information	E-2
Cam Switches Selection Table	E-3
On-Off Switches	E-4
Change Over Switches	E-5
Motor Control Switches	E-6
Multi Step Switches	E-8
Measure Commutator Switches	E-10
Emergency Type On-Off Switches	E-11
Technical Specifications	E-12
Assembly Types and Dimensions	E-13
Special Cam Switches Order Form	E-14



PSA Serisi Pako Şalterler

- Yüksek doğruluk
- Geniş uygulama alanları için ürün çeşitliliği
- Uzun ömür
- Yüksek kontak güvenilirliği
- Kompakt tasarım ve sağlamlık
- Parmak ergonomisine uygun tasarım ve kolay fark edilebilen kademeler

Teknik Bilgiler

Mekanik Ömür	: 100.000 açma-kapama min.
Elektriksel Ömür	: 50.000 açma-kapama min.
Çalışma Sıcaklığı	: -5 / +40°C
Koruma Derecesi	: IP54 (Pano içi), IP20 (Pano dışı)
Kısa Devre Kesme Kapasitesi	: 6 kA
Anma İşletme Gerilimi Ue	: 400 V AC
Anma İşletme Akımı Ie	: 10 - 100 A
İzolasyon Direnci	: 10 MΩ min. (500 V DC)
Kontak Direnci	: maks. 15 mΩ
Dielektrik Mukavemeti	: (1 dakika için) 2000 V AC
Standart	: TS EN 60947-3



PSA Series Cam Switches

- High precision
- Variety of products for wide application fields
- Long life time
- High contact reliability
- Compact design and reliability
- Handle designed in conformity with finger ergonomics and easily perceivable grades

Technical Information

Mechanical Life	: 100.000 operations min.
Electrical Life	: 50.000 operations min .
Operating Temperature	: -5 / +40°C
Protection Degree	: IP54 (Inside panel), IP20 (Outside panel)
Short Circuit Breaking Capacity	: 6 kA
Rated Operating Voltage Ue	: 400 V AC
Rated Operating Current Ie	: 10 - 100 A
Insulation Resistance	: 10 MΩ min. (500 V DC)
Contact Resistance	: max. 15 mΩ
Dielectrical Strength	: (for 1 minute) 1500 V AC
Standard	: TS EN 60947-3



Pako Şalterlerin Seçim Tablosu
Cam Switches Selection Table

PS	A	010	AK	1	3	1	S
Grup Group	Seri Series		Tip Type	Kutup Pole	Açı Angle	Etiket Label	Opsiyon Option
		010		1	1.30'		S Standart
		016		2	2.45'		S Standard
		020		3	3.60'		E Emniyet Sarı Kırmızı K
		025		4	4.90'		E Security Yellow Red K
		032			5.90' Yaylı		
		040	AK (Aç Kapa)				
		050	KD (Kutup Değiştirici)				
		063	KS (Kademeli Şalter)				
		080	KT (Kademeli Toplamalı)				
		115	MS (Motor Şalteri)				
			OK (Ölçü Komutatorü)				
			Z (Özel Pako)				

**Etiket
Label**

1. Tip 1. Type	2. Tip* 2. Type	3. Tip** 3. Type	4. Tip*** 4. Type
1 0 - 1	3 0 - 3	5 O - Y - Δ	1 Faz - Nötr Phase - Neutral
2 0 - 1 - 2	4 0 - 4	** Motor kumandası için ** For motor control	2 Faz - Faz Phase - Phase
3 1 - 2	5 0 - 5		3 Faz - Nötr ve Faz - Faz Phase - Neutral and Phase - Phase
4 1 - 0 - 2	6 0 - 6		6 Ampermetre Ammeter
	7 0 - 7		*** Ölçü komutatorleri için *** For measure commutator switches
	* Kademeli Şalterler için * For Multi Step Switches		

Örnek:

PSA010AK1315 → PS Serisi, 32A, 1 kutuplu, 60°
dönüştür, 0-1 açma-kapama Pako şalteri seçilmiştir.

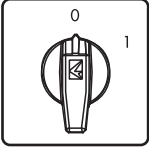
Example:

PSA010AK1315 → PS Series, 32 A, 1 pole, 60 degrees
rotational, 0-1 on-off Cam switch has been selected.



Açma Kapama Şalterleri / On - Off Switches

(0-1) Aç-Kapa Pako Şalterler - 60° / (0-1) On - Off Cam Switches - 60°



PSA020AK131S

Sipariş Kodu Order Code	Faz Poles	Anma İşletme Akımı (IE) (A) Rated Thermal Current	Kontakt Şeması Contact Scheme
PSA010AK131S	1 Faz	10	
PSA016AK131S		16	
PSA020AK131S		20	
PSA025AK131S		25	
PSA032AK131S		32	
PSA040AK131S		40	
PSA050AK131S		50	
PSA063AK131S		63	
PSA080AK131S		80	



PSA020AK231S

Sipariş Kodu Order Code	Faz Poles	Anma İşletme Akımı (IE) (A) Rated Thermal Current	Kontakt Şeması Contact Scheme
PSA010AK231S	2 Faz	10	
PSA016AK231S		16	
PSA020AK231S		20	
PSA025AK231S		25	
PSA032AK231S		32	
PSA040AK231S		40	
PSA050AK231S		50	
PSA063AK231S		63	
PSA080AK231S		80	



PSA020AK331S

Sipariş Kodu Order Code	Faz Poles	Anma İşletme Akımı (IE) (A) Rated Thermal Current	Kontakt Şeması Contact Scheme
PSA010AK331S	3 Faz	10	
PSA016AK331S		16	
PSA020AK331S		20	
PSA025AK331S		25	
PSA032AK331S		32	
PSA040AK331S		40	
PSA050AK331S		50	
PSA063AK331S		63	
PSA080AK331S		80	



PSA020AK431S

Sipariş Kodu Order Code	Faz Poles	Anma İşletme Akımı (IE) (A) Rated Thermal Current	Kontakt Şeması Contact Scheme
PSA010AK431S	4 Faz	10	
PSA016AK431S		16	
PSA020AK431S		20	
PSA025AK431S		25	
PSA032AK431S		32	
PSA040AK431S		40	
PSA050AK431S		50	
PSA063AK431S		63	
PSA080AK431S		80	

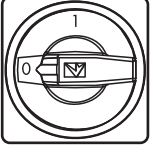


PSA020AK831S

Sipariş Kodu Order Code	Faz Poles	Anma İşletme Akımı (IE) (A) Rated Thermal Current	Kontakt Şeması Contact Scheme
PSA010AK831S	3 Faz + Nötr	10	
PSA016AK831S		16	
PSA020AK831S		20	
PSA025AK831S		25	
PSA032AK831S		32	
PSA040AK831S		40	
PSA050AK831S		50	
PSA063AK831S		63	
PSA080AK831S		80	

Açma Kapama Şalterleri / On - Off Switches

Emniyet Tipi Aç-Kapa Pako Şalterler - 90° / (0-1) Safety Type On - Off Cam Switches - 90°



PSA020AK141E

Sipariş Kodu Order Code	Faz Poles	Anma İşletme Akımı (IE) (A) Rated Thermal Current	Kontak Şeması Contact Scheme
PSA010AK141E	1 Faz	10	
PSA016AK141E		16	
PSA020AK141E		20	
PSA025AK141E		25	
PSA032AK141E		32	
PSA040AK141E		40	
PSA050AK141E		50	
PSA063AK141E		63	
PSA080AK141E		80	



PSA020AK241E

Sipariş Kodu Order Code	Faz Poles	Anma İşletme Akımı (IE) (A) Rated Thermal Current	Kontak Şeması Contact Scheme
PSA010AK241E	2 Faz	10	
PSA016AK241E		16	
PSA020AK241E		20	
PSA025AK241E		25	
PSA032AK241E		32	
PSA040AK241E		40	



PSA020AK341E

Sipariş Kodu Order Code	Faz Poles	Anma İşletme Akımı (IE) (A) Rated Thermal Current	Kontak Şeması Contact Scheme
PSA010AK341E	3 Faz	10	
PSA016AK341E		16	
PSA020AK341E		20	
PSA025AK341E		25	
PSA032AK341E		32	
PSA040AK341E		40	
PSA050AK341E		50	
PSA063AK341E		63	
PSA080AK341E		80	
PSA010AK441E		10	



PSA020AK441E

Sipariş Kodu Order Code	Faz Poles	Anma İşletme Akımı (IE) (A) Rated Thermal Current	Kontak Şeması Contact Scheme
PSA010AK441E	4 Faz	10	
PSA016AK441E		16	
PSA020AK441E		20	
PSA025AK441E		25	
PSA032AK441E		32	
PSA040AK441E		40	
PSA050AK441E		50	
PSA063AK441E		63	
PSA080AK441E		80	
PSA010AK941E		10	



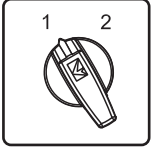
PSA020AK941E

Sipariş Kodu Order Code	Faz Poles	Anma İşletme Akımı (IE) (A) Rated Thermal Current	Kontak Şeması Contact Scheme
PSA010AK941E	3 Faz + Nötr	10	
PSA016AK941E		16	
PSA020AK941E		20	
PSA025AK941E		25	
PSA032AK941E		32	
PSA040AK941E		40	
PSA050AK941E		50	
PSA063AK941E		63	
PSA080AK941E		80	
PSA010AK941E		10	



Kutup Değiştirici Şalterler / Changeover Switches

(1-2) Kutup Değiştiriciler - 60° / (1-2) Changeover Switches - 60°



PSA020KD133S

Sipariş Kodu Order Code	Faz Poles	Anma İşletme Akımı (IE) (A) Rated Thermal Current	Kontak Şeması Contact Scheme
PSA010KD133S	1 Faz	10	
PSA016KD133S		16	
PSA020KD133S		20	
PSA025KD133S		25	
PSA032KD133S		32	
PSA040KD133S		40	

Sipariş Kodu Order Code	Faz Poles	Anma İşletme Akımı (IE) (A) Rated Thermal Current	Kontak Şeması Contact Scheme
PSA010KD233S	2 Faz	10	
PSA016KD233S		16	
PSA020KD233S		20	
PSA025KD233S		25	

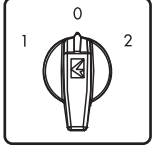


PSA020KD333S

Sipariş Kodu Order Code	Faz Poles	Anma İşletme Akımı (IE) (A) Rated Thermal Current	Kontak Şeması Contact Scheme
PSA010KD333S	3 Faz	10	
PSA016KD333S		16	
PSA020KD333S		20	
PSA025KD333S		25	

Kutup Değiştirici Şalterler / Changeover Switches

(1-0-2) Kutup Değiştiriciler - 60° / (1-0-2) Changeover Switches - 60°



PSA020KD134S

Sipariş Kodu Order Code	Faz Poles	Anma İşletme Akımı (IE) (A) Rated Thermal Current	Kontak Şeması Contact Scheme
PSA010KD134S	1 Faz	10	
PSA016KD134S		16	
PSA020KD134S		20	
PSA025KD134S		25	
PSA032KD134S		32	
PSA040KD134S		40	
PSA050KD134S		50	
PSA063KD134S		63	
PSA080KD134S		80	



PSA020KD234S

Sipariş Kodu Order Code	Faz Poles	Anma İşletme Akımı (IE) (A) Rated Thermal Current	Kontak Şeması Contact Scheme
PSA010KD234S	3 Faz	10	
PSA016KD234S		16	
PSA020KD234S		20	
PSA025KD234S		25	
PSA032KD234S		32	
PSA040KD234S		40	
PSA050KD234S		50	
PSA063KD234S		63	
PSA080KD234S			



PSA020KD334S

Sipariş Kodu Order Code	Faz Poles	Anma İşletme Akımı (IE) (A) Rated Thermal Current	Kontak Şeması Contact Scheme
PSA010KD334S	3 Faz	10	
PSA016KD334S		16	
PSA020KD334S		20	
PSA025KD334S		25	
PSA032KD334S		32	
PSA040KD334S		40	
PSA050KD334S		50	
PSA063KD334S		63	
PSA080KD334S			



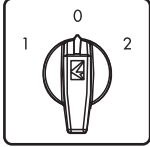
PSA020KD434S

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PSA010KD434S	4 Faz	10	
PSA016KD434S		16	
PSA020KD434S		20	
PSA025KD434S		25	
PSA032KD434S			



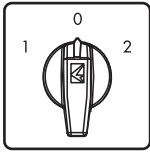
Kademeli Şalterler / Step Switches

Motor Kumanda Şalterleri - 60° / Motor Control Switches - 60°



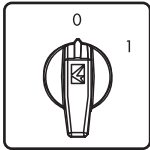
PSA020MS134S

Sipariş Kodu Order Code	Faz Poles	Anma İşletme Akımı (IE) (A) Rated Thermal Current	Kontak Şeması Contact Scheme
PSA010MS134S	1 Faz	10	
PSA016MS134S		16	
PSA020MS134S		20	
PSA025MS134S		25	
PSA032MS134S		32	
PSA040MS134S			



PSA020MS334S

Sipariş Kodu Order Code	Faz Poles	Anma İşletme Akımı (IE) (A) Rated Thermal Current	Kontak Şeması Contact Scheme
PSA010MS334S	3 Faz	10	
PSA016MS334S		16	
PSA020MS334S		20	
PSA025MS334S		25	
PSA032MS334S		32	
PSA040MS334S		40	
PSA050MS334S		50	
PSA063MS334S		63	
PSA080MS334S			

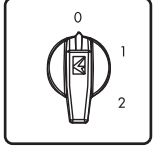


PSA020MS331S

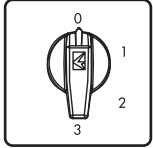
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PSA010MS331S	3 Faz	10	
PSA016MS331S		16	
PSA020MS331S		20	
PSA025MS331S		25	
PSA032MS331S		32	
PSA040MS331S		40	
PSA050MS331S		50	
PSA063MS331S		63	
PSA080MS331S			

Kademeli Şalterler / Step Switches

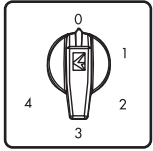
Kademeli Şalterler - 1 Faz / Step Switches 1 Phase



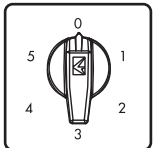
PSA020KS132S



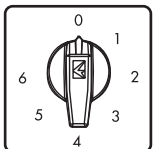
PSA020KS133S



PSA020KS134S



PSA020KS135S



PSA020KS126S

Sipariş Kodu Order Code	Faz Poles	Anma İşletme Akımı (IE) (A) Rated Thermal Current	Kontak Şeması Contact Scheme
PSA010KS132S	0-1-2	10	
PSA016KS132S		16	
PSA020KS132S		20	
PSA025KS132S		25	
PSA032KS132S		32	
PSA040KS132S		40	
PSA050KS132S		50	
PSA063KS132S		63	

Sipariş Kodu Order Code	Faz Poles	Anma İşletme Akımı (IE) (A) Rated Thermal Current	Kontak Şeması Contact Scheme
PSA010KS133S	0-3	10	
PSA016KS133S		16	
PSA020KS133S		20	
PSA025KS133S		25	
PSA032KS133S		32	
PSA040KS133S		40	
PSA050KS133S		50	
PSA063KS133S		63	
PSA080KS133S		80	

Sipariş Kodu Order Code	Faz Poles	Anma İşletme Akımı (IE) (A) Rated Thermal Current	Kontak Şeması Contact Scheme
PSA010KS134S	0-4	10	
PSA016KS134S		16	
PSA020KS134S		20	
PSA025KS134S		25	
PSA032KS134S		32	
PSA040KS134S		40	
PSA050KS134S		50	
PSA063KS134S		63	
PSA080KS134S		80	

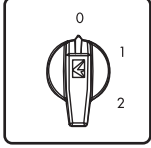
Sipariş Kodu Order Code	Faz Poles	Anma İşletme Akımı (IE) (A) Rated Thermal Current	Kontak Şeması Contact Scheme
PSA010KS126S	0-5	10	
PSA016KS126S		16	
PSA020KS126S		20	

Sipariş Kodu Order Code	Faz Poles	Anma İşletme Akımı (IE) (A) Rated Thermal Current	Kontak Şeması Contact Scheme
PSA010KS127S	0-6	10	
PSA016KS127S		16	
PSA020KS127S		20	
PSA025KS127S		25	
PSA032KS127S		32	
PSA040KS127S		40	
PSA050KS127S		50	
PSA063KS127S		63	
PSA080KS127S		80	



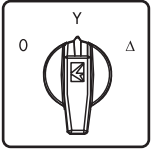
Kademeli Şalterler / Step Switches

Kademeli Toplamalı Şalterler - 60° / Step Switches- 60°



PSA020KT132S

Sipariş Kodu Order Code	Faz Poles	Anma İşletme Akımı (IE) (A) Rated Thermal Current	Kontak Şeması Contact Scheme
PSA010KT132S	1 Faz	10	
PSA016KT132S		16	
PSA020KT132S		20	
PSA025KT132S		25	
PSA010KT332S	3 Faz	10	
PSA016KT332S		16	



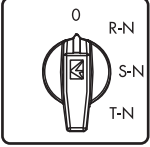
PSA020MS335S

Yıldız Üçgen Kumanda Şalterler - 60° / Step Delta Motor Switches- 60°

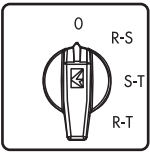
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PSA010MS335S	3 Faz	10	
PSA016MS335S		16	
PSA020MS335S		20	
PSA025MS335S		25	
PSA032MS335S		32	
PSA040MS335S		40	
PSA050MS335S		50	
PSA063MS335S		63	
PSA080MS335S		80	

Kademeli Şalterler / Step Switches

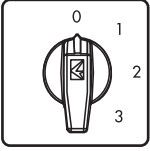
Ölçü Komütatörler / Measuring Commutator Switches



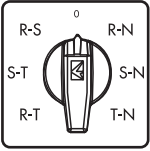
PSA020 K421S



PSA020 K422S



PSA020 K426S



PSA020 K723S

Sipariş Kodu Order Code	Tip Type	Pozisyon Position	Anma İşletme Akımı (IE) (A) Rated Thermal Current	Kontakt Şeması Contact Scheme
PSA010 K421S	4	Voltmetre Voltmeter	10	
PSA016 K421S			16	
PSA020 K421S			20	

Sipariş Kodu Order Code	Tip Type	Pozisyon Position	Anma İşletme Akımı (IE) (A) Rated Thermal Current	Kontakt Şeması Contact Scheme
PSA010 K422S	4	Faz-Faz Voltmetre Phase-Phase Voltmeter	10	
PSA016 K422S			16	
PSA020 K422S			20	

Sipariş Kodu Order Code	Tip Type	Pozisyon Position	Anma İşletme Akımı (IE) (A) Rated Thermal Current	Kontakt Şeması Contact Scheme
PSA010 K426S	4	Ampermetre Ampermeter	10	
PSA016 K426S			16	
PSA020 K426S			20	

Sipariş Kodu Order Code	Tip Type	Pozisyon Position	Anma İşletme Akımı (IE) (A) Rated Thermal Current	Kontakt Şeması Contact Scheme
PSA010 K723S	7	Voltmetre Voltmeter	10	
PSA016 K723S			16	
PSA020 K723S			20	

Aksesuarlar / Accessories



PSR1



PSK02S41

Sipariş Kodu Order Code	Tip Type	Özellik Characteristic	Malzeme Material
PSR1	Raya Montaj Aparatı	IP41	Plastik
PSK01S41	Pako Kutusu, Boy 1 (2 Dilim)		
PSK02S41	Pako Kutusu, Boy 2 (3 Dilim)		



Teknik Özellikler / Technical Specifications

Sıvı Tipi					PSA010	PSA016	PSA020	PSA25	PSA32	PSA040	PSA050	PSA063	PSA080
Switch Type													
İzolasyon gerilimi		Rated Insulation Voltage Ui		k	400			690					
Darbe dayanım gerilimi		Rated impulse withstand voltage Uimp		kV	4			4					
Anlık termal akım		Rated thermal current Ith		A	16	20	25	32	40	50	50	70	80
Ana Şalter İşletme geriliminin (1) maksimum değeri		Main Switch Max. value of rated (1) operational voltage		V	480								
Darbe dayanım gerilimi		Rated impulse withstand voltage		kV	4								
Kısa devre koruması için max. sigorta boyutu		Max. fuse size for short circuit protection gL 10kA		A	16	20	25	32	40	50	50	70	80
Kısa devre akımına dayanma süresi	1 sn.	Rated short-time withstand current Icw	1 sec	A	150	180	200	400	600	800	800	800	1000
	3 sn.		A	100	110	120	250	400	530	700	700	800	
	10 sn.		A	50	60	70	140	240	290	350	350	400	
	30 sn.		A	25	30	40	90	150	200	250	250	250	
	60 sn.		A	20	25	30	70	120	150	150	150	160	
Anma işletme akımı		Rated operational current Ie AC1 / AC21		A	10	16	20	25	32	40	50	63	70
Anma işletme akımı		Rated operational current Ie AC15											
		110 V		A	8	8	10	20	25	40	50	50	63
		220/230 V		A	6	6	8	20	25	30	40	40	50
		380/400 V		A	4	4	6	16	20	25	40	40	45
		660/690 V		A				8	8.5	8.5	10	10	10
Kullanma sınıfı AC3	Motor switch in utilization category AC3												
3 faz	3 phase	220/230 V	kW	1.5	3	3	5.5	7.5	9	11	11	12	
		380/400 V	kW	1.6	5	5	7.5	11	15	18.5	22	28	
		500/690 V	kW	4	6		11	15	19	22	22	28	
1 faz 2 kutup	1 phase 2 poles	110 V	kW	0.5	0.8	0.8	1.5	2.5	3	-	-	-	
		220/230 V	kW	1.5	2.5	3	5.5	6.5	7.5	-	-	-	
		380/400 V	kW	2	2.5	3	5.5	6.5	7.5	-	-	-	
AC23	AC23	3 phase	220/230 V	kW	3	5	5	6.5	8	9	15	15	18.5
			380/400 V	kW	5	7	7.5	11	15	18.5	22	22	32
			500/690 V	kW	-	-	-	11	18.5	22	30	30	45
		1 faz 2 kutup	110 V	kW	0.8	0.8	0.8	1.5	2.5	3	3.5	3.5	-
			220/230 V	kW	1.7	2.5	2.5	3.7	5	6	9	9	-
			380/400 V	kW	2.8	3.7	3.7	5.5	7.5	9	15	15	-
AC4	AC4	3 phase	220/230 V	kW	0.75	1	1.5	2.5	3	5	6	7	
			380/400 V	kW	1	1.5	2	4	5.5	8	11	11	12
			500/690 V	kW				4	7.5	8	11	11	12
Mekanik dayanım şalterleme devri		Mechanical Endurance switching cycles		10 ⁵	1	1	1	1	1	1	1	1	
Vida bağlantıları		Terminal Screw			M3.5	M3.5	M3.5	M3.5	M4	M4	M5	M5	2XM5
Bağlantı kablosu kesiti	rijit	Cable cross section	rigid		2X(1-2.5) 2-4*	2X(1-2.5) 2-4*	2X(1-2.5) 2-4*	2X(1-4) 1-6*	2X(2.5-6) 1-10*	2X (2.5-10)	2X(4-16)	2X(4-16)	10-25
					2X(1-2.5) 2-4*	2X(1-2.5) 2-4*	2X(1-2.5) 2-4*	2X(1-4) 1-10*	2X(2.5-6) 1-10*	2X (2.5-10)	2X(4-16)	2X(4-16)	6-16 2X(6-10)
	fleksibil		flexible	mm ²									

(1) Aşırı gerilim kategorisi III, kirlenme derecesi 3, nötr topraklı sistemler için geçerli.

(*) Dahili bağlantısı olmayan diagramlar için geçerlidir.

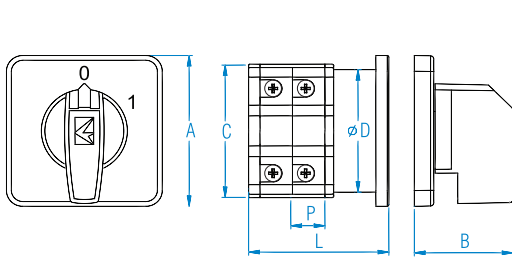
(1) Valid for neutral earthed systems, overvoltage category III, pollution degree 3

(*) Only for diagrams without inside links.

Montaj Şekilleri ve Boyutlar (mm) / Assembly Type and Dimensions (mm)

PS	A	010	AK	1	3	1	S
Grup	Seri	Amper	Tip	Kutup	Açı	Etiket	Opsiyon
Group	Series	Amper	Type	Pole	Angle	Label	Option
		010		1	1.30'		S Standart
		016		2	2.45'		S Standart
		020		3	3.60'		E Emniyet Sarı Kırmızı K
		025		4	4.90'		E Emergency Yellow Red K
		032			5.90' Yaylı Push Button		
		040	AK (Aç Kapa)				On-Off
		050	KD (Kutup Değiştirici)				Change Over
		063	KS (Kademeli Şalter)				Step
		080	KT (Kademeli Toplamalı)				Multi Step
		115	MS (Motor Şalteri)				Motor Control
			OK (Ölçü Komütatörü)				Measure Commutator
			Z (Özel Pako)				Special Cam Switch

1. Tip 1. Type	2. Tip* 2. Type	3. Tip** 3. Type	4. Tip*** 4. Type
1 0-1	3 0-3	5 0-Y-Δ	1 Faz - Nötr Phase - Neutral
2 0-1-2	4 0-4	** Motor kumandası için ** For motor control	2 Faz - Faz Phase - Phase
3 1-2	5 0-5		3 Faz - Nötr ve Faz - Faz Phase - Neutral and Phase - Phase
4 1-0-2	6 0-6		6 Ampermetre Ammeter
	7 0-7		*** Ölçü komütatörleri için *** For measure commutator switches



	A	B	C	D	P	1	2	3	L 4	5	6	7	8
PSA10	48	30,5	42,5	27	10	33,2	43,2	53,2	63,2	73,2	83,2	93,2	103,2
PSA16	48	30,5	42,5	27	10	33,2	43,2	53,2	63,2	73,2	83,2	93,2	103,2
PSA20	48	30,5	42,5	27	10	33,2	43,2	53,2	63,2	73,2	83,2	93,2	103,2
PSA25	48	30,5	42,5	27	12	35,2	47,2	59,2	71,2	83,2	95,2	107,2	119,2
PSA32	64	38	55	55	13	39,2	52,2	65,2	78,2	91,2	104,2	117,2	130,2
PSA40	64	38	55	55	15	41,2	56,2	71,2	86,2	101,2	116,2	131,2	146,2
PSA50	64	38	65	55	17,5	43,7	61,2	78,7	96,2	113,7	131,2	148,7	166,2
PSA63	64	38	65	55	21	47,2	68,2	89,2	110,2	131,2	152,2	173,2	194,2

PANO KAPAĞINA MONTAJ
FRONT MOUNTING

	a	b	c	d
PSA10	36	30	9,5	4,3
PSA16	36	30	9,5	4,3
PSA20	36	30	9,5	4,3
PSA25	36	30	9,5	4,3
PSA32	48	30	50	10
PSA40	48	30	50	10
PSA50	48	30	50	10
PSA63	48	30	50	10

PANO TABANINA MONTAJ
REAR MOUNTING

	a	f	k
PSA10	52	4,3	6
PSA16	52	4,3	6
PSA20	52	4,3	6
PSA25	52	4,3	6
PSA32	65	5,5	7
PSA40	65	5,5	7
PSA50	65	5,5	7
PSA63	65	5,5	7



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