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Accuracy & Durability

Producer Since 1973

PRODUCT LIST JANUARY 2024

ELECTRONIC CONTROL SOLUTIONS & PANEL INSTRUMENTS

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Producer Since 1973

Pionnering In Sector

PC Lighting fixtures 1982
Electronic Ballast 1995
True rms Measurement Devices 2002
True RMS Protection Relays 2002
Intelligent PFC 2002
Three Phase PFC 2006
Single phase Capacitor use in PFC 2006
Digital Timer 2010
New generation Overhead connectors 2018
Connectors for isolated Cables 2019
Lighting poles connectors 2019

Our company is founded by Mr. Kemal KARACA and his partners at 1973. Since then with first day dynamism Krk continue to work and reformist products Krk is increasing its market share with its innovative, market oriented products produced by experienced team.

KRK is serving with Panel instruments, Electronic control devices, in its over 4000 sqm closed area and with its advanced technological know-how. Krk is exporting more than 45 countries its products that is developed By own mechanical and electronic R&D and moulding facility, own electronic, plastic and metal production.

We will continue serving you with our justified pride for more years.

Compensation Solutions

KRK®
Accuracy & Durability

Producer Since 1973

REACTIVE POWER CONTROLLER

- 18 Steps + SVC
- LCD Screen
- Active Power(W) & Reactive Power(VAR)
- Phase - Neutral 220 VAC Supply
- Three Phase Capacitor Control
- RS-485 Communication
- SVC (Activation via Device)

Compensation Solutions

Reactive Power Controllers

ZeroVAR 1P 12

MonoVAR 12

KPC 8

MRVAR 6

ZeroVAR 1P 6

KPC 15

	Order Code	Product Code	Product Description	Max. Number of Steps	Application mV	Dimension		Supply		Screen		Control				Measurements											Accessory					Box Qty.
						96 x 96	144 x 144	220 V AC	380 V AC	LCD	LED	Single Phase Capacitor	Three Phase Capacitor	Single Phase Shunt Reactor	Three Phase Shunt Reactor	Single Current Transformer	Three Current Transformers	Voltage(V),Current(I),Cos Ø	Apparent Power (VA)	Active Power (W)	Reactive Power (VAR)	Σ W Σ VAR Σ VA	kWh	% THD I (33)	% THD V (33)	I 1...32 Harmonics	V 1...32 Harmonics	RS-485 Communication	Temperature Measurement	Thyristor Triggering	SVC (Activation via Device)	
Measurement With Single Current Transformer Three-Phase Control																																
	77006	KPC 6		6			●	●			●	●			●			●			●								●			1
	77008	KPC 8		8			●	●			●	●			●			●			●								●			1
	77012	KPC 12		12			●	●			●	●			●			●			●								●			1
	77015	KPC 15		15			●	●			●	●			●			●			●								●			1
	77406	ZeroVAR 1P 6		6			●	●			●	●			●			●		●	●											1
	77408	ZeroVAR 1P 8		8			●	●			●	●			●			●		●	●											1
	77412	ZeroVAR 1P 12		12			●	●			●	●			●			●		●	●											1
	77106	MRVAR 6		6		●		●	●	●		●			●			●	●	●	●	●		●	●	●	●	●	●	●		1
	77112	MonoVAR 12		12			●	●	●	●		●			●			●	●	●	●	●		●	●	●	●	●	●	●		1

Compensation Solutions

Reactive Power Controllers & SVC

ZeroVAR PCS 12

ZeroVAR SVC 18

ZeroVAR PLUS 6

SVC 10K

ZeroVAR SVC 12

DEŞARJ ÜNİTESİ

Order Code	Product Code	Product Description	Max. Number of Steps	Application mV	Dimension: 96 x 96	Dimension: 144 x 144	Supply: 220 V AC	Supply: 380 V AC	Screen: LCD	Screen: LED	Control: Single Phase Capacitor	Control: Three Phase Capacitor	Control: Single Phase Shunt Reactor	Control: Three Phase Shunt Reactor	Measurements: Single Current Transformer	Measurements: Three Current Transformers	Measurements: Voltage(V),Current(I),Cos Ø	Measurements: Apparent Power (VA)	Measurements: Active Power (W)	Measurements: Reactive Power (VAR)	Measurements: ΣW Σ VAR Σ VA	Measurements: kWh	Measurements: % THD I (33)	Measurements: % THD V (33)	Measurements: I 1...32 Harmonics	Measurements: V 1...32 Harmonics	Accessory: RS-485 Communication	Accessory: Temperature Measurement	Thyristor Triggering	SVC (Activation via Device)	Box Qty.
Measurement with Three Current Transformers Three-Phase/Single-Phase Control																															
77806	ZeroVAR PLUS 6		6			●	●			●		●	●	●	●	●	●		●	●								●			1
77808	ZeroVAR PLUS 8		8			●	●			●		●	●	●	●	●	●		●	●								●			1
77812	ZeroVAR PLUS 12		12			●	●			●		●	●	●	●	●	●		●	●								●			1
77815	ZeroVAR PLUS 15		15			●	●					●	●	●	●	●	●		●	●								●			1
78012	ZeroVAR PCS 12	12 Steps+Svc	12	●		●	●		●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	20/30 K	1
78018	ZeroVAR PCS 18	18 Steps+Svc	18	●		●	●		●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	20/30 K	1
78062	ZeroVAR SVC 12	12 Steps+Svc	12	●		●	●		●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	5/10 K	1
78068	ZeroVAR SVC 18	18 Steps+Svc	18	●		●	●		●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	5/10 K	1

Order Code	Product Code	Product Description	Voltage	A	kVAr	Reactor Number	Reactor Type	Connect	Box Qty
Three Phase Electronic Driver									
79205	SVC 5 K	5 kVAr Svc	220 V AC	10	5	3	Monophase	Star	1
79210	SVC 10 K	10 kVAr Svc	220 V AC	18	10	3	Monophase	Star	1
79220	SVC 20 K	20 kVAr Svc	220 V AC	24	20	3	Monophase	Star	1
79230	SVC 30 K	30 kVAr Svc	220 V AC	32	30	3	Monophase	Star	1

Order Code	Product Code	Product Description	Voltage	kVAr	Current Input	Box Qty
79300	Discharge Unit		110-700V	50	250	10

Measurement Devices

Measurement Devices

Energy Analyzers & Digital Multimeters

KMM 01U-300

KPM 20

KNA 96

KMM 03U

KMM 01U

KMM 72

Energy Power Meters

Order Code	Product Code	Product Description	3 Phase	Cos	Active Power	Reactive Power	Apparent power	Σ VA	Σ W	Σ VAR	kWh	Current	Voltage	Frequency	RS 232 Communication	RS 485 Communication	% THD I (33)	% THD V (33)	X / 5	C200	220 V	Box Qty.
96 MM Panel Type																						
76700	KNA 96	Energy Analyzer	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	10
76500	KPM 20	Energy Power Meter	●	●	●			●	●	●	●	●	●	●			●	●	●		●	10
76505	KPM 20 CT 300	Energy Power Meter, 3 Current Transformers	●	●	●			●	●	●	●	●	●	●			●	●			●	10

Digital Multimeters

Order Code	Product Code	Produuct Description	Measurement			X / 5	220 V	Box Qty.
			Voltage	Current	Frequency			
72 MM Panel Type								
76400	KMM 72	3 Phase Current, 3 Phase Voltage (F-N), 3 Phase Voltage (F-F)	●	●	●	●	●	10
96 MM Panel Type								
76000	KMM 01 U	3 Phase Current, 3 Phase Voltage (F-N), 3 Phase Voltage (F-F)	●	●	●	●	●	10
76001	KMM 01 I	3 Phase Current, 3 Phase Voltage (F-N), 3 Phase Voltage (F-F) Insulated Current Inputs	●	●	●	●	●	10
76300	KMM 03 U	3 Phase Current, 3 Phase Voltage (F-N), 3 Phase Voltage (F-F)	●	●		●	●	10
76030	KMM 0 1U 0-300A	Multimeter, CT 300 A	●	●	●		●	10
Current Transformer								
	CT 300	300 A Current Transformer						10

Measurement Devices
Digital Ampermeters

KDA 35

KDA 48

KDA 72-DC

KDAU 72

KDA 72

KDA 72-D

True RMS Class 1

Order Code	Product Code	Product Description	Measurement					Input						Box Qty.
			AC	DC	X / 5	CT 250A	60 mV Shunt	AC	DC	12 V	24 V	220 V	24....285 V	
35 MM Panel Type														
75400	KDA 35	Ampermeter, 0,05-10,000 A Measurement	●		●			●				●		10
75425	KDA 35 0-300A	Ampermeter, CT 300 Current Transformer	●			●		●				●		10
48 MM Panel Type														
75448	KDA 48	Ampermeter, 0,05-10,000 A Measurement	●		●			●				●		10
75455	KDA 48 0-300A	Ampermeter, CT 300 Current Transformer	●			●		●				●		10
72 MM Panel Type														
75472	KDA 72	Ampermeter, 0,05-10,000 A Measurement	●		●			●				●		10
75862	KDA 72-80	Ampermeter, 0,5-80 A Measurement		●			●	●				●		10
75572	KDA 72-30	Ampermeter, 0,1-30 A Measurement	●	●				●				●		10
75672	KDAU 72	Ampermeter, 0,05-10,000 A Measurement	●		●			●	●				●	10
75475	KDA 72-D	Dual Ampermeter, 0,05-10,000 A Measurement	●		●			●				●		10
75480	KDA 72-12	Ampermeter, 0,05-10,000 A / 5 A Measurement	●		●				●	●				10
75481	KDA 72-24	Ampermeter, 0,05-10,000 A / 5 A Measurement	●		●				●		●			10
75482	KDA 72 0-300A	Ampermeter, CT 300 Current Transformer				●		●				●		10
75477	KDVA 72	Ampermeter/0-10000A,Voltmeter/5-500V Measurement	●		●			●				●		10
72 MM Panel Type (DC)														
75830	KDA 72-DC	Ampermeter, 100-1000 A/DC Measurement		●			●	●				●		10
75850	KDA 72-DC 300	Ampermeter, 300-0,6 A/DC Measurement		●			●	●				●		10
75840	KDA 72-DC 400	Ampermeter, 400-0,6 A/DC Measurement		●			●	●				●		10
75860	KDA 72-DC 600	Ampermeter, 600-0,6 A/DC Measurement		●			●	●				●		10
75900	KDA 72-DC 1000	Ampermeter, 1000-0,6 A/DC Measurement		●			●	●				●		10
75861	KDA 72-DC 05	Ampermeter, 0,02-0,5 A/DC Measurement		●			●	●				●		10

Measurement Devices

Digital Ampermeters & Frequencymeter

KFM 96

KFM 35

KMA 01

KFM 72

KDA 96

KFM 48

True RMS Class 1

Order Code	Product Code	Product Description	Measurement					Input						Box Qty.
			AC	DC	X / 5	CT 250A	60 mV Shunt	AC	DC	12 V	24 V	220 V	24.....285 V	
96 MM Panel Type (DC)														
75666	KDA 96-DC	Ampermeter, 100-900 A/DC Measurement					●	●				●		10
96 MM Panel Type														
75496	KDA 96	Ampermeter, 0,05-10,000 A Measurement	●		●			●				●		10
75230	KDA 935	Ampermeter, Current Control, 2 Relay Outputs	●		100/5			●				●		10
75492	KDA 96 0-300A	Ampermeter, CT 300 CT	●			●		●				●		10
76360	KMA 01	3 Phase Multiampermeter	●		●			●				●		10
Current Transformer														
80003	CT 300	300 A CT												10

Digital Frequencymeters

True RMS Class 1

Order Code	Product Code	Product Description	Measurement				Box Qty.
			1 Phase	20.....400 Hz.	0,1 Hz Sensibility	220 V	
35 MM Modular Type							
75700	KFM 35	Frequencymeter	●	●	●	●	10
48 MM Panel Type							
75748	KFM 48	Frequencymeter	●	●	●	●	10
72 MM Panel Type							
75772	KFM 72	Frequencymeter	●	●	●	●	10
96 MM Panel Type							
75796	KFM 96	Frequencymeter	●	●	●	●	10

Measumerent Devices

Digital Voltmeters

KMV 35

KDV 72D

KDV 48

KMV 01

KDV 96

KDV 72-3F

True RMS Sınıf 1

Order Code	Product Code	Product Description	Measurement						Input						Box Qty.
			AC	DC	Phase+Phase	Phase+neutral	500 V	Frequency	AC	DC	12 V	24 V	220 V	24....285 V	
35 MM Panel Type															
75100	KDV 35	Voltmeter, 5-500V Measurement	●			●	●		●				●		10
75300	KDV 35 3F	Voltmeter, Three Phase Optional, 5-500V Measurement	●		●	●	●		●				●		10
76355	KMV 35	3 Phase Voltmeter, 5-500V Measurement	●			●	●		●				●		10
48 MM Panel Type															
75048	KDV 48	Voltmeter, 5-500V Measurement	●			●	●		●				●		10
75348	KDV 48 3F	Voltmeter, Three Phase Optional, 5-500V Measurement	●		●	●	●		●				●		10
72 MM Panel Type															
75172	KDV 72	Voltmeter, 5-500V Measurement	●			●	●		●				●		10
75372	KDV 72-3F	Voltmeter, Three Phase Optional, 5-500V Measurement	●		●	●	●		●				●		10
75377	KDVU 72	Voltmeter, Universal Voltage	●			●	●		●	●				●	10
75375	KDV 72 - D	Voltmeter, Dual Display, 5-500V Measurement	●			●	●		●				●		10
75380	KDV 72-12	Voltmeter, 12 V, 5-500V Measurement	●			●	●			●	●				10
75381	KDV 72-24	Voltmeter, 24 V, 5-500V Measurement	●			●	●			●		●			10
75477	KDVA 72	Voltmeter,5..500V Measurement, - Ampermeter- 0..10000A/5	●			●	●		●				●		10
75775	KDVF 72	Voltmeter,5-500V Measurement- Frequencymeter,20-400Hz	●			●	●	●	●				●		10
72 MM Panel Type (DC)															
75832	KDV 72-DC	Voltmeter,5-500V Measurement		●			●		●				●		10
75200	KDV 72-DC 100	Voltmeter, 0-100 V DC Measurement		●			100V		●				●		10
96 MM Panel Type															
75196	KDV 96	Voltmeter, 5-500V Measurement	●			●	●		●				●		10
75396	KDV 96-3F	Voltmeter, Three Phase Optional, 5-500V Measurement	●		●	●	●		●				●		10
76350	KMV 01	Multivoltmeter	●		●	●	●	●	●				●		10

Control & Protection Relays

Control & Protection Relays

Time Relays

KZR 48-30

ADZ 72T

KZRU 48-M5

KFLR 48

KZR 48-M1

KZRU 48-30

Order Code	Producty Code	Product Description	Time Range	Technicial Specifications							Operating Voltage				Box Qty.
				On Delay	Off Delay	Steps Number	On Start	Off Start	Asymmetric Flasher	Trigger	12 VAC/DC	24 V AC/DC	220 V AC	18-285 VAC/DC	
48 mm Panel Type															
61032	KZR 48-30	On Delay Timer	0,1-30 sec.	●								●	●		10
78165	KZR U 48-30	On Delay Timer	0,1-30 sec.	●										●	10
61050	KZR 48-8P 30	On Delay Timer (8 pin)	0,1-30 sec.	●								●	●		10
78161	KZR U 48-8P 30	On Delay Timer(8 pin)	0,1-30 sec.	●										●	10
61062	KZR 48-60	On Delay Timer	0,1-60 sec.	●								●	●		10
78166	KZR U 48-60	On Delay Timer	0,1-60 sec.	●										●	10
61051	KZR 48-8P 60	On Delay Timer(8 pin)	0,1-60 sec.	●								●	●		10
78162	KZR U 48-8P 60	On Delay Timer	0,1-60 sec.	●										●	10
61002	KZR 48-M1	Multi-Function Timer	0,06 sec.-30 hr.	●	●	8	●	●				●	●		10
78163	KZR U 48-M1	Multi-Function Timer	0,06 sec.-30 hr.	●	●	8	●	●						●	10
60050	KZR U 48-8P M1	Multi-Function Timer(8 pin)	0,06 sec.-30 hr.	●	●	8	●	●						●	10
61012	KZR 48-M2	Asymmetrical Timer	0,6 sec.-10 hr.	●		6	●	●	●			●	●		10
78164	KZR U 48-M5	Multi-Function Timer	0,1sec.-100 hr.			8	●	●	●					●	10
60048	KZR U 48-8P M5	Multi-Function Timer(8 pin)	0,1sec.-100 hr.			8	●	●	●					●	10
65048	KFLR 48	Asymmetrical Timer Relay(Digital Displayı)	ON : 1 sec. - 99 min. OFF: 1 sec. - 99 min.				●		●				●		10
60015	KFLR U 48	On start Flasher Relay	ON : 1 sec. - 60 sec. OFF: 1 sec. - 60 sec.				●		●					●	10
72 mm Panel Type															
65000	KFLR 72	Multi-Function Timer	ON : 1 sec. - 99 min. OFF: 1 sec. - 99 min.				●		●				●		10
65072	ADZ 72T	Off Delay Relay(Digital)	1 sec. - 99 min.		●					●			●		10

● : Optional

Control & Protection Relays

Time Relays

SZR 30 SZRU 30

SZR M1 SZRU M1

SZR M5 SZRU M15

YDR 05

SFLR 03 SFLR 03-10

SYU SIR

Order Code	Product Code	Product Description	Time Range	Technicial Specifications							Operating voltage				Box Qty.
				On Delay	Off Delay	Steps Number	On Start	Off Start	Asymmetric Flasher	Trigger	12 VAC/DC	24 V AC/DC	220 V AC	18-285 VAC/DC	
22,5 MM Modüler Type															
61030	SZR 30	On Delay Timer	0,1 - 30 sec.	●								●	●		10
61230	SZRU 30	On Delay Timer	0,1 - 30 sec.	●							●			●	10
61530	SZRB 30	Off Delay Timer	0,1 - 30 sec.		●							●	●		10
61060	SZR 60	On Delay Timer	0,1 - 60 sec.	●								●	●		10
61260	SZRU 60	On Delay Timer	0,1 - 60 sec.	●							●			●	10
61031	SZRT 60	Triggered, On Delay Timer	0,1 - 60 sec.	●						●		●	●		10
60000	SZR M1	Multi-Function Timer	0,06 sn - 30 hour	●	●	8	●	●				●	●		10
60200	SZRU M1	Multi-Function Timer	0,06 sn - 30 hour	●	●	8	●	●			●			●	10
60010	SZR M2	Asymmetrical Timer Relay	0,6 sn - 10 hour			6	●	●	●			●	●		10
60210	SZRU M2	Asymmetrical Timer Relay	0,6 sn - 10 hour				●	●	●		●			●	10
60013	SZR M5	Multi-Function Timer	0,1 sn - 100 hour			8	●	●	●			●	●		10
78160	SZRU M5	Multi-Function Timer	0,1 sn - 100 hour			8	●	●	●		●			●	10
60035	SZRU M15	Multi-Function Timer	Trigger Input 0,05 - 100 hour	●	●	7		●		●	●				10
60040	SZR M16	Multi-Function Timer	Trigger Input 10 - 60 sec.							●		●			10
60011	SFLR 03	On start Flasher Relay	0,6 - 60 sec.				●	●	●			●	●		10
60014	SFLR 03-10	Flasher Relay	1 - 10 sn / 0,5 sec.												10
60021	SYU	Star Delta Relay	λ : 6 sec. - 60 sec. λ →Δ: 50...500 msec.				●						●		10
60022	SIR	Left-Right (Inversor Relay)	t-ON : 6....60 sec. t-OFF : 6....60 sec.					●					●		10
35 MM Modüler Type															
63002	YDR 05	5 Stage Dishwasher Relay	Washing time 30-60 -90-120-180 Standby time 3 sec. No Discharge Time			5							●		10
63003	YDR 06	5 Stage Dishwasher Relay,Thyristor Output, Discharge Relay	Washing time 30-60 -90-120-180 Standby time 3 sec.			5							●		10

● : Optional

Control & Protection Relays

Motor (Phase) Protection Relays

FMK 48-03

STR SFSR

SFMK A SFMK 06N

FMK 48-05N-8P

SFMK 03 SFMK 03P

FMK 48-05N-11P

True RMS Class 1

Order Code	Product Code	Product Description	Control: Three Phase	Monophase	Phase-Phase	Phase-Neutral	Phase Loss	Phase Sequence	Ptc Protection	Asymmetry	Over & Under Voltage Adjustment	Off Delay 0,1 sec. - 20 sec.	On Delay 0,1 sec. - 20 sec.	Off Delay 0,1 min. - 20 min.	On Delay 0,1 min. - 20 min.	Input: 380 V AC	220 V AC	Box Qty.
48 MM Panel Type																		
70142	FMK 48-03		●			●	●	●		% 30							●	10
70148	FMK 48 05N-8P	No Neutral- Sochet (8 PIN)	●		●		●	●		%5 - %15		●				●		10
70604	FMK 48 05N-11P	No Neutral- Sochet (11 PIN)	●		●		●	●		%5 - %15		●				●		10
22,5 MM Modular Type																		
70025	SMK 11		●			●	●			% 30							●	10
70045	SMK 03		●			●	●			% 40							●	10
70003	STR			●					●								●	10
70001	SFSR		●			●		●									●	10
70125	SFMK 14		●			●	●	●		% 30							●	10
70127	SFMK 14 P	PTC	●			●	●	●		% 30							●	10
70145	SFMK 03		●			●	●	●		% 40							●	10
70146	SFMK 03 P	PTC	●			●	●	●	●	% 40							●	10
70147	SFMK 03 N	No Neutral	●		●		●	●		% 15						●		10
70155	SFMK A		●			●	●	●		%5 - %30							●	10
70156	SFMK AP	PTC	●			●	●	●	●	%5 - %30							●	10
70506	SFMK 05		●		●		●	●		%5 - %15		●					●	10
70505	SFMK 05 P	PTC	●		●		●	●	●	%5 - %15		●					●	10
NEW 70220	SFMK 20 P	PTC	●			●	●	●	●	% 20							●	10
NEW 70230	SFMK 30 P	PTC	●			●	●	●	●	% 30							●	10
NEW 70240	SFMK 40 P	PTC	●			●	●	●	●	% 40							●	10
NEW 70615	SFMK 06 N	No Neutral	●		●		●	●	●	%5 - %30	%5 - %30	●	●	●	●	●		10
NEW 70605	SFMK 06 PN	No Neutral	●		●		●	●	●	%5 - %30	%5 - %30	●	●	●	●	●		10
NEW 70515	SFMK 06		●			●	●	●		%5 - %30	%5 - %30	●	●	●	●		●	10
NEW 70516	SFMK 06 P	PTC	●			●	●	●	●	%5 - %30	%5 - %30	●	●	●	●		●	10
70526	SFMK 24 F	No Neutral	●		●		●	●		% 11	Top: 500 V Lower: 280 V	2 sec.				●		10
70508	SFMK 08		●		●		●	●		% 8	Top: 255 Lower: 185	1 sec.	1 sec.				●	10

Control & Protection Relays

Motor (Phase) Protection Relays

FMK 05

FMK 03

FMK 05N

FMK 03N

FMK 35-05N-11P

FMK 35-05N-8P

True RMS Class 1

Order Code	Product Code	Product Description	Control										Input			Box Qty.
			Threephase	Monophase	Phase-Phase	Phase-Neutral	Phase Loss	Phase Sequence	Ptc Protection	Asymmetry	Over & Under Voltage Adjustment	Off Delay 0,1 sec. - 20 sec.	24.....285 V AC	380 V AC	220 V AC	
35 MM Modular Type																
70140	FMK 03		●			●	●	●		% 30					●	10
70141	FMK 03 P	PTC	●			●	●	●	●	% 30					●	10
70143	FMK 03 N	No Neutral	●		●		●	●		% 15				●		10
70500	FMK 05		●		●		●	●		%5 - %15		●			●	10
70600	FMK 05 N	No Neutral	●		●		●	●		%5 - %15		●		●		10
35x80 MM Socket Type																
70602	FMK 35 05 N 8P	No Neutral-Sochet (8 PIN)	●		●		●	●		%5 - %15		●		●		10
70601	FMK 35 05 N 11P	No Neutral-Sochet (8 PIN)	●		●		●	●		%5 - %15		●		●		10

Control & Protection Relays

Under & Over Voltage Relays

KAD 48-01

KAD 04N

SKAD 01 SKAD 09

SKAD 04

KAD 10-FULL D

KAD 48-05

Order Code	Product Code	Product Description	Control															Input		Box Qty.
			Three Phase	Monophase	Phase Sequence	Phase Loss	Asymmetry %5....%20	Lower Limit Setting 150-210	Upper Limit Setting 230-300	Lower Limit Setting 260-360	Upper Limit Setting 400-500	On Delay 0,1 sec. - 20 sec.	On Delay 0,1 min. - 20 min.	Off Delay 0,1 sec. - 20 sec.	Off Delay 0,1 min. - 20 min.	T-on-Toff 0,1....99,9	380 V AC	220 V AC	
48 MM Panel Type																				
72017	KAD 48 - 01			●				●	●			●		●				●	10
72032	KAD 48 - 04		●		●	●		●	●			●		●				●	10
72043	KAD 48 - 04 N	No Neutral	●		●	●				●	●	●		●			●		10
72050	KAD 48 - 05		●		●	●		●	●			●	●	●	●			●	10
22,5 MM Modular Type																				
72015	SKAD 01			●				●	●					●				●	10
72035	SKAD 04		●		●	●		●	●					●				●	10
72607	SKAD 05 FD	Phase Corrector	●		●	●		●	●			●		●				●	10
72045	SKAD 05		●		●	●		●	●			●		●				●	10
72615	SKAD 05 N	No Neutral	●		●	●				●	●	●		●			●		10
72215	SKAD 06 M	Compressor Relay		●				●	●			●	●	●	●			●	10
72235	SKAD 06 T	Compressor Relay	●		●	●		●	●			●	●	●	●			●	10
72355	SKAD 09		●		●	●		170 V	280 V			1sec. Fixed		1sec. Fixed				●	10
72606	SKAD 06N	No Neutral	●		●	●				●	●	●	●	●	●		●		10
72049	SKAD AC1			●				170 V	280 V			5-15min		1sec.				●	10
72048	SKAD AC3		●		●	●		170 V	280 V			5-15min		1sec.				●	10
35 MM Modular Type																				
72010	KAD 01			●				●	●			●		●				●	10
72030	KAD 04		●		●	●		●	●			●		●				●	10
72600	KAD 04 N	No Neutral	●		●					●	●			10sec.			●		10
72760	KAD 10 Full D	Display	●		●	●	●	●	●							●		●	10
72770	KAD 10 Full ND	No Neutral,PTC,Display	●		●	●	●			●	●					●	●		10

Control & Protection Relays

Level Controllers

SSR 48-04-8P

HSR 02

SSR 04

SSR 35 04-11P

SSR BE

SSR KA

Order Code	Product Code	Product Description	Led	Control: 2-100 Kohm Conductivity Adjustment	Control: Pressure Switch Input	Control: Boost Output	Input: 12 V DC	Input: 24 V DC	Input: 220 V AC	Input: 12....285 V AC	Box Qty.
22,5 MM Modular Type											
66055	SSR 04		●	●					●		10
66056	SSR 04-12V		●	●			●				10
66057	SSR 04-24V		●	●				●			10
66060	SSR 06		●	●						●	10
66065	SSR 06 T	Timed,1.....60 sec.	●	●						●	10
66200	HSR 02	Hydrophore Sequencing Relay			2	2			●		10
35 MM Modular Type											
66050	SSR 02			●			●				10
66090	SSR 06 M		●	●						●	10
35X80 MM Socket Type											
66108	SSR 35 04-8P	8 Pin	●	●					●		10
66111	SSR 35 04-11P	11 Pin	●	●					●		10
48 MM Panel Type											
66109	SSR 48 04-8P	8 Pin	●	●					●		10
66112	SSR 48 14-11P	11 Pin	●	●					●		10
Electrode											
66500	SSR BE	Big Electrode	150mm x O:26mm Stainless steel, Rubber seal, Serial cable connection								10
66505	SSR KE	Small Electrode	150mm x O:26mm Stainless steel, Rubber seal, Serial cable connection								10
66510	SSR KA	Wired Electrode	100mm x O:22mm Stainless steel, 16mm Copper connection and Heat shrink tubing								10

Control & Protection Relays

Temperature Controllers & Thermocouples

ADT 48

DT 48

DT 96

ADT 72

ADT 96

THERMOCOUPLE

Order Code	Product Code	Product Description	Control: Analog Tuned	Control: Digital Tuned	Control: Digital Display	Control: J Type	Control: K Type	Control: 220 V AC	Box Qty.
35 MM Modular Type									
55248	ADT 48		●		●	●	●	●	10
55548	DT 48			●	●	●	●	●	10
72 X 72 MM Panel Type									
55272	ADT 72		●		●	●	●	●	10
55572	DT 72			●	●	●	●	●	10
96 X 96 MM Panel Type									
55296	ADT 96		●		●	●	●	●	10
55596	DT 96			●	●	●	●	●	10

Order Code	Product Code	Product Description	J Type	K Type	Box Qty.
Thermocouples					
98010	THERMOCOUPLE	1,00 meter	●		10
98015	THERMOCOUPLE	1,50 meter	●		10
98020	THERMOCOUPLE	2,00 meter	●		10
98025	THERMOCOUPLE	2,50 meter	●		10
98030	THERMOCOUPLE	3,00 meter	●		10
98040	THERMOCOUPLE	4,00 meter	●		10
98050	THERMOCOUPLE	5,00 meter	●		10
98012	THERMOCOUPLE	1,00 meter		●	10
98017	THERMOCOUPLE	1,50 meter		●	10
98022	THERMOCOUPLE	2,00 meter		●	10
98027	THERMOCOUPLE	2,50 meter		●	10
98032	THERMOCOUPLE	3,00 meter		●	10
98042	THERMOCOUPLE	4,00 meter		●	10
98052	THERMOCOUPLE	5,00 meter		●	10

Material Size: *2-10 cm* ***Diameter:*** *4-6-8 cm*

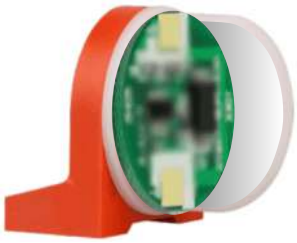
• 3,5 € for every 2 meters after 5 meters There is a price difference.

Control & Protection Relays

Photocell Relays

KFG

SFR 01



KFR 03

	Order Code	Producty Code	Producty Description	Control						Box Qty.	
				1-3 Lux Adjustable	1-10 Lux Adjustable	Manual	With Relay Output	Fuse Protected	220 V AC		
	22,5 MM Modular Type										
	67015	SFR 01	1...10 Lux Adjustable		●		●		●	10	
	Eye Body										
	67200	KFR 03	3 Lux constant, Unisolated Supply				●		●	10	
	Photocell Sensor										
	67500	KFG								10	

Panel Instruments

Panel Instruments

Overhead Connectors

Order Code	Type	Clamping Area (mm)	Conductors to be used	Number of Bolts	Box Qty.
Bi-Metalic Connectors					
92800	A25 B16	6-25 Al/2,5-16 Cu	Rose		**100**
92805	A40 B25	16-40 Al/10-25 Cu	Rose, Lily, Swallow, Sparrow		**100**
92810	A70 B50	16-70 Al/10-50 Cu	Rose, Lily, Swallow, Sparrow	2 Bolts	**40**
92815	A120 B70	16-120 Al/10-70 Cu	Pansy, Aster, Phlox, Oxlip, Raven, Pigeon	3 Bolts	**30**
92820	A240 B120	70-240 Al/70-240 Cu	Daisy,Peony, Tulip, Canna, Patridge, Ostrich, Hawk	3 Bolts	**10**
92830	A240 B240	70-240 Al/70-240 Cu	Daisy,Peony, Tulip, Canna, Patridge, Ostrich, Hawk	3 Bolts	**8**
Aluminium Paralel Connectors					
92855	A25 A25	6-25	Rose		**100**
92860	A40 A40	16-40	Rose, Lily, Swallow, Sparrow		**100**
92865	A70 A70	16-70	Rose, Lily, Swallow, Sparrow	2 Bolts	**40**
92870	A120 A120	40-120	Pansy, Aster, Phlox, Oxlip, Swallow, Raven	3 Bolts	**30**
92875	A240 A240	70-240	Daisy, Peony, Tulip, Canna, Patridge, Ostrich, Hawk	3 Bolts	**10**
Stopper Ending Connectors					
92880	A16 A50	16-50	Rose, Lily, Swallow, Sparrow	2 Bolts	**40**
92885	A50 A95	50-95	Rose, Lily, Swallow, Sparrow	3 Bolts	**40**
Bi-Metalic Plating Connectors					
92912	A25-B16		Rose		
92913	A40-B25		Rose, Lily, Swallow, Sparrow		
92914	A70-B50		Rose, Lily, Swallow, Sparrow	2 Bolts	
92915	A70-B95		Pansy, Aster, Phlox, Oxlip, Raven, Pigeon	2 Bolts	
92916	A120-B25		Daisy,Peony, Tulip, Canna, Patridge, Ostrich, Hawk	1 Bolts	
92918	A120-B70		Daisy,Peony, Tulip, Canna, Patridge, Ostrich, Hawk	3 Bolts	
92919	A240-B120		Daisy,Peony, Tulip, Canna, Patridge, Ostrich, Hawk	3 Bolts	
92920	A240-B240		Daisy,Peony, Tulip, Canna, Patridge, Ostrich, Hawk	3 Bolts	
Zinc Plating Connectors					
92922	A25-A25		Rose		
92923	A40-A40		Rose, Lily, Swallow, Sparrow		
92924	A70-A70		Rose, Lily, Swallow, Sparrow	2 Bolts	
92925	A95-A95		Pansy, Aster, Phlox, Oxlip, Raven, Pigeon	2 Bolts	
92926	A120-A120		Daisy,Peony, Tulip, Canna, Patridge, Ostrich, Hawk	3 Bolts	
92927	A150-A150		Daisy,Peony, Tulip, Canna, Patridge, Ostrich, Hawk	3 Bolts	
92928	A240-A240		Daisy,Peony, Tulip, Canna, Patridge, Ostrich, Hawk	3 Bolts	
Stopper Ending Connectors					
92929	A16-A50		Daisy,Peony, Tulip, Canna, Patridge, Ostrich, Hawk	2 Bolts	
92930	A50-A95		Daisy,Peony, Tulip, Canna, Patridge, Ostrich, Hawk	3 Bolts	
92931	A95-A120		Daisy,Peony, Tulip, Canna, Patridge, Ostrich, Hawk	3 Bolts	

Panel Instruments

Terminal & Panel Materials

Order Code	Type	Box Qty.	
Insulation Piercing Connectors			
22146	Insulation Piercing Connectors AL 16-95 mm AL 1,5-50 mm ALM	40	
22144	AER Insulation Piercing Connectors 25-120/25-120	40	
22148	AER 2' Insulation Piercing Connectors Al150-50 mm Cu 16-95 mm	40	

Order Code	Type	Box Qty.	
Lighting Pole Connector			
22141	Lighting Pole Connector 1x(1,5 - 6) 2x(16-35 mm)	200	

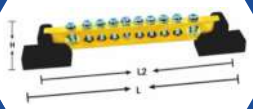
Order Code	Type	Box Qty.	
Cable Clamp			
96951	3 pcs 4x16 cable can be connected 3x(14-23mm)	56	

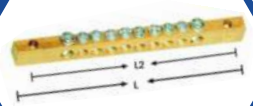
Order Code	Type	Box Qty.	
Tension Clamps			
92790	PA-2000, Tension Clamps Max: 70 mm	100	

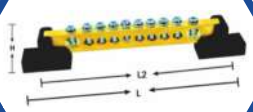
Order Code	Type	Box Qty.	
High Voltage Phase Indicator			
78100	CVI,No Contact IEC, LRM System	100	
78101	CVI Relay, Contact IEC, LRM System	100	

Panel Instruments

Panel Earthing Connections



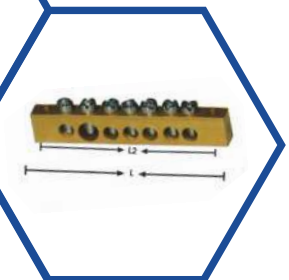


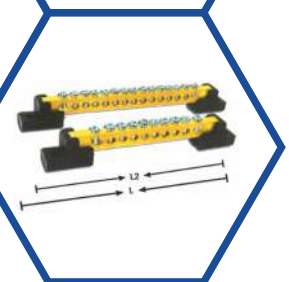


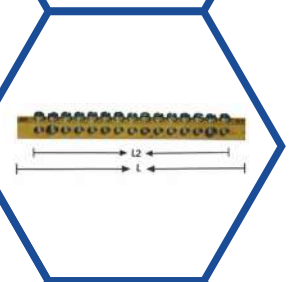
Order Code	Type	B	H	L	L2	Box Qty.
Panel Earthing Connectors (Cable Diameter: 6x8 mm)						
28003	3 Lines	6	8	33		**50**
28004	4 Lines	6	8	33	—	**50**
28005	5 Lines	6	8	36	—	**50**
28006	6 Lines	6	8	45	—	**50**
28007	7 Lines	6	8	50	—	**50**
28009	9 Lines	6	8	62	—	**50**
28010	10 Lines	6	8	68	—	**50**
28012	12 Lines	6	8	80	—	**50**
Panel Earthing Connectors With Base (Cable Diameter: 6x8 mm)						
28054	4 Lines	6	8	36	—	**50**
28055	5 Lines	6	8	36	—	**50**
28056	6 Lines	6	8	45	—	**50**
28057	7 Lines	6	8	50	—	**50**
28060	10 Lines	6	8	68	—	**50**
28062	12 Lines	6	8	80	—	**50**
Panel Earthing Connectors (Cable Diameter: 6,5x9 mm)						
28156	6 Lines	6,5	9	52	44	**50**
28157	7 Lines	6,5	9	57	49	**50**
28160	10 Lines	6,5	9	76	68	**50**
28162	12 Lines	6,5	9	88	80	**50**
28165	15 Lines	6,5	9	105	97	**50**
28172	22 Lines	6,5	9	134	126	**50**
Panel Earthing Connectors With Base (Cable Diameter: 6,5x9 mm)						
28105	5 Lines	6,5	9	85	70	**50**
28106	6 Lines	6,5	9	85	70	**50**
28107	7 Lines	6,5	9	90	75	**50**
28110	10 Lines	6,5	9	108	95	**50**
28112	12 Lines	6,5	9	120	106	**50**
28115	15 Lines	6,5	9	138	124	**50**
28120	20 Lines	6,5	9	165	152	**50**
28122	22 Lines	6,5	9	165	152	**50**
28125	25 Lines	6,5	9	195	180	**50**
28130	30 Lines	6,5	9	235	220	**50**

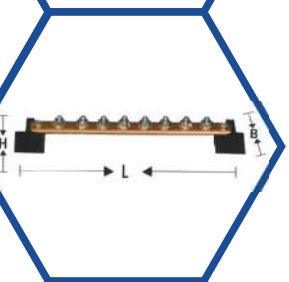
Panel Instruments

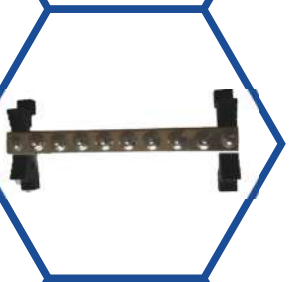
Panel Earthing Connections & Equipotential Busbars











Order Code	Type	B	H	L	L2	Box Qty.
Panel Earthing Connectors (Cable Diameter: 7x12 mm)						
28356	6 Lines	7	12	63	55	**50**
28357	7 Lines	7	12	69	61	**50**
28360	10 Lines	7	12	94	84	**50**
28362	12 Lines	7	12	119	100	**50**
28365	15 Lines	7	12	130	121	**50**
28370	20 Lines	7	12	165	157	**50**
Panel Earthing Connectors With Base (Cable Diameter: 6x8 mm)						
28206	6 Lines	7	12	63	—	**50**
28207	7 Lines	7	12	72	—	**50**
28210	10 Lines	7	12	91	—	**50**
28212	12 Lines	7	12	116	—	**50**
28215	15 Lines	7	12	132	—	**50**
28220	20 Lines	7	12	165	—	**50**
28225	25 Lines	7	12	203	—	**50**
28230	30 Lines	7	12	252	—	**50**
Panel Earthing Connectors (Cable Diameter: 10x15 mm)						
28407	7 Lines	10	15	100	90	**50**
28410	10 Lines	10	15	134	124	**50**
28412	12 Lines	10	15	157	147	**50**
28415	15 Lines	10	15	190	180	**50**
28420	20 Lines	10	15	265	255	**50**

Order Code	Type	Box Qty.
Equipotential Busbar (250 A - 5x20 mm)		
28907	1 İnput - 7 Output	**50**
28910	1 İnput - 10 Output	**50**
28914	1 İnput - 14 Output	**50**
Equipotential Busbar(5x30 mm)		
28937	1 İnput - 7 Output	**50**
28940	1 İnput - 10 Output	**50**
28944	1 İnput - 14 Output	**50**
Equipotential Busbar (Double Sided - 3x50 mm)		
28957	1 İnput - 7 Output	**50**
28960	1 İnput - 11 Output	**50**
28964	1 İnput - 15 Output	**50**

Panel Instruments

Socketed Connectors & Push-in Distribution Connectors (Halogen Free)

Socket Connectors

Inter Connectable Moduls

Junction Box Terminal

Porcelain Connectors

24 Amps 2,5-4 mm²

15x5 Rail & Ground Fixings Part

Marking Plates

Order Code	Producty Description	No	Cables Connected						Cable Diameter mm	Current (A)	Box Qty.
Socket Connectors											
23118	Black 2 Lines										50
23119	Black 3 Lines										50
23117	Black 12 Lines										50
23112	White 2 Lines										50
23113	White 3 Lines										50
23110	White 12 Lines										50
Inter Connectable Moduls											
23122	2 Lines (White)										50
23123	3 Lines (White)										50
23128	2 Lines (Black)										50
23129	3 Lines (Black)										50
Junction Box Terminal											
21030		No:3	10-16mm²	41	1x16	2x6	3x4	4x2,5			360 / 30x12
21040		No:4	16-25mm²	57	1x25	2x10	4x6	5x4			300 / 30x10
21050		No:5-6	35-50mm²	101	1x35	2x25	4x10	6x6			160 / 20x8
21060	Double Allen	No:7	50-70mm²	125	1x70	2x35	4x16	6x10			96 / 16x6
21070	Double Allen	No:8	95-120mm²	160	1x120	2x70	4x25	5x16			48 / 8x6
21055	Single Screw	No:7	50-70mm²	125	1x70	2x35	4x16	6x10			96 / 16x6
Porcelain Connectors											
22515	1 Line	No.1							4	24	100
22510	2 Lines	No.1							4	24	150
22511	3 Lines	No.1							4	24	100
22520	2 Lines	No.2							6	41	100
22521	3 Lines	No.2							6	41	50
22535	1 Line	No.3							10	57	100
22530	2 Lines	No.3							10	57	50

Push-in Distribution Connectors (Halogen Free)

Modul	Output	Code Beige	Code Grey	Code Black	Code Blue	Code Brown	Code Red	Code Yellow	Code Green	Box Qty.	
24 Amps 2,5-4 mm²											
1	1+1	21201	21211	21221	21231	21241	21251	21261	21271	100	9,90
15x5 Rail & Ground Fixings Part											
Rail & Ground		21100	21110	21120	21130	21140	21150	21160	21170		2,60
Rail Aluminium		21101	—	—	—	—	—	—	—		9,90

Order Code	Modul	Producty Description	Box Qty.	
Marking Plates				
20500	Dekafix Unprinted	50 Pieces Single Piece	500	

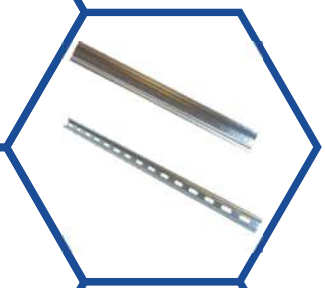
Panel Instruments

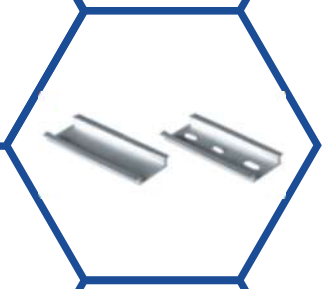
Terminal Strips

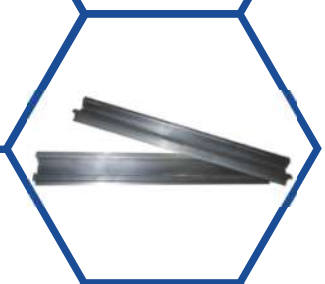
Order Code	Type	Cable Diameter mm²	Connection	Current (A)	Box Qty.
Metal Inside Terminal Strips					
22710	No.1	2.5-4	12 Pcs.	—	50
Eco Terminal Strips					
23210	No.1	2.5-4	12 Pcs.	32	50
23220	No.2	4-6	12 Pcs.	41	50
23230	No.3	6-10	10 Pcs.	57	50
23240	No.4	10-16	6 Pcs.	76	50
Eco Heat Resistant Terminal Strips					
23310	No.1	2.5-4	12 Pcs.	32	50
23320	No.2	4-6	12 Pcs.	41	50
23330	No.3	6-10	10 Pcs.	57	50
23340	No.4	10-16	6 Pcs.	76	50
Heat Resist Terminal Strips					
22010	No.1	2.5-4	12 Pcs.	32	50
22020	No.2	4-6	12 Pcs.	41	50
22030	No.3	6-10	10 Pcs.	57	50
22040	No.4	10-16	6 Pcs.	76	50
22050	No.5	16-25	6 Pcs.	101	50
Terminal Strips With High Heat Resist					
22111	No.1	2.5-4	1 Pcs.	32	50
22112	No.1	2.5-4	2 Pcs.	32	50
22113	No.1	2.5-4	3 Pcs.	32	50
High Heat Resist Terminal Strips					
22110	No.1	2.5-4	12 Pcs.	32	50
22120	No.2	4-6	12 Pcs.	41	50
22130	No.3	6-10	10 Pcs.	57	50
22140	No.4	10-16	6 Pcs.	76	50
22150	No.5	16-25	6 Pcs.	101	50
22133	No.3	6-10	3 Pcs.	57	50
Pre-Cut High Heat Resist Terminal Strips with Cable Protection					
22311	No.1	2.5-4	1 Pcs.	32	50
22312	No.1	2.5-4	2 Pcs.	32	50
22313	No.1	2.5-4	3 Pcs.	32	50
High Heat Resist Terminal Strips with Cable Protection					
22310	No.1	2.5-4	12 Pcs.	32	50
22320	No.2	2.5-4	12 Pcs.	41	50
22330	No.3	2.5-4	10 Pcs.	57	50

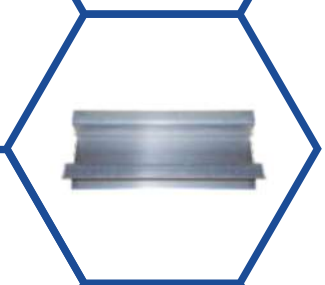
Panel Instruments

DIN Montage Rails







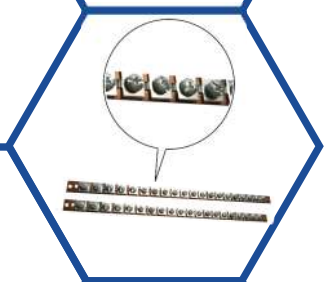


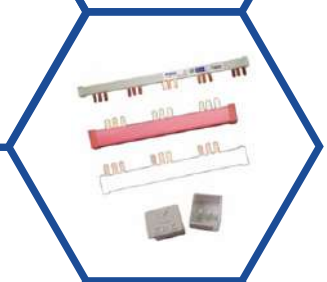
Order Code	Product Description	Size	Box Qty.	
Metal DIN Rails 15x5 Non Slotted				
90071	DIN Rail	1 m	40	
90081	DIN Rail	30 cm	40	
Metal DIN Rails 15x5 Slotted				
90085	W Rail	1 m	40	
90096	W Rail	30 cm	40	
Metal DIN Rails 35x7,5 mm				
90030	W Rail	30 cm	40	
90001	W Rail	1 m	40	
90002	W Rail	2 m	40	
90003	W Rail	3 m	40	
Metal DIN Rails 35x7,5 mm Slotted				
90130	W Rail	30 cm	40	
90101	W Rail	1 m	40	
90102	W Rail	2 m	40	
90103	W Rail	3 m	40	
MG Type Aluminium DIN Rails - 35x7,5 mm Non Slotted				
90233	W Rail	30 cm	40	
90241	W Rail	1 m	40	
90242	W Rail	2 m	40	
90243	W Rail	3 m	40	
MG Type Aluminium DIN Rails 35x7,5 mm Slotted				
90234	W Rail With Holes	30 cm	40	
90251	W Rail With Holes	1 m	40	
90252	W Rail With Holes	2 m	40	
90253	W Rail With Holes	3 m	40	

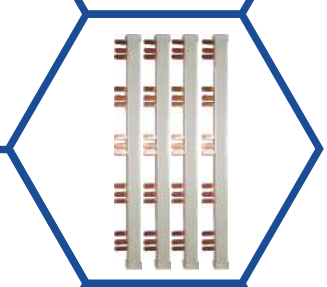
Order Code	Product Description	Size	Box Qty.	
Alüminium Rail Holder (35x7,5 mm)				
90290	Rail Holder		40	

Panel Instruments

DIN Rail Type Sinyal Lamps ,Neutral Earthing Bar & Tribar (Three-Phase)







Order Code	Description	Box Qty.
DIN Rail Type Sinyal Lamps		
68001	1 Phase DIN Rail Signal YELLOW LED 220 VAC / 24 AC/DC10	10
68002	1 Phase DIN Rail Signal RED LED 220 VAC / 24 AC/DC10	10
68003	1 Phase DIN Rail Signal GREEN LED 220 VAC / 24 AC/DC10	10
68000	3 Phase DIN Rail Signal YELLOW/RED/GREEN LED 220 VAC	10

Order Code	Description	Connections	Box Qty.
(Neutral) Earthing Bar			
92040	15 x 1,5 mm x 1 m	31	40
92080	15 x 1,5 mm x 1 m	61	40
92120	15 x 2 mm x 1 m	31	40
92160	15 x 2 mm x 1 m	61	40
92310	15 x 3 mm x 1 m	31	40
92320	15 x 3 mm x 1 m	61	40
92300	Pabuç Takımı	—	

Order Code	Type	Current (A)	Modul	Box Qty.
Tribar (Three-Phase) Pin Type (3 Pole)				
91630	Pin Type 53 cm	63	10	24
91730	Pin Type 53 cm	80	10	24
91660	Pin Type 106 cm	63	20	24
91760	Pin Type 106 cm	80	20	24
91704	Pin Type 2 modul	80		25
91707	Pin Type 3 modul	80		25
91710	Pin Type 4 modul	80		25
91713	Pin Type 5 modul	80		25
91998	Tribar Closing Parts (right)			250
91999	Tribar Closing Parts (left)			250

- Compensation Solutions - Measurement Devices
- Control & Protection Relays - Panel Instruments

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444 4 575
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