product overview 2016

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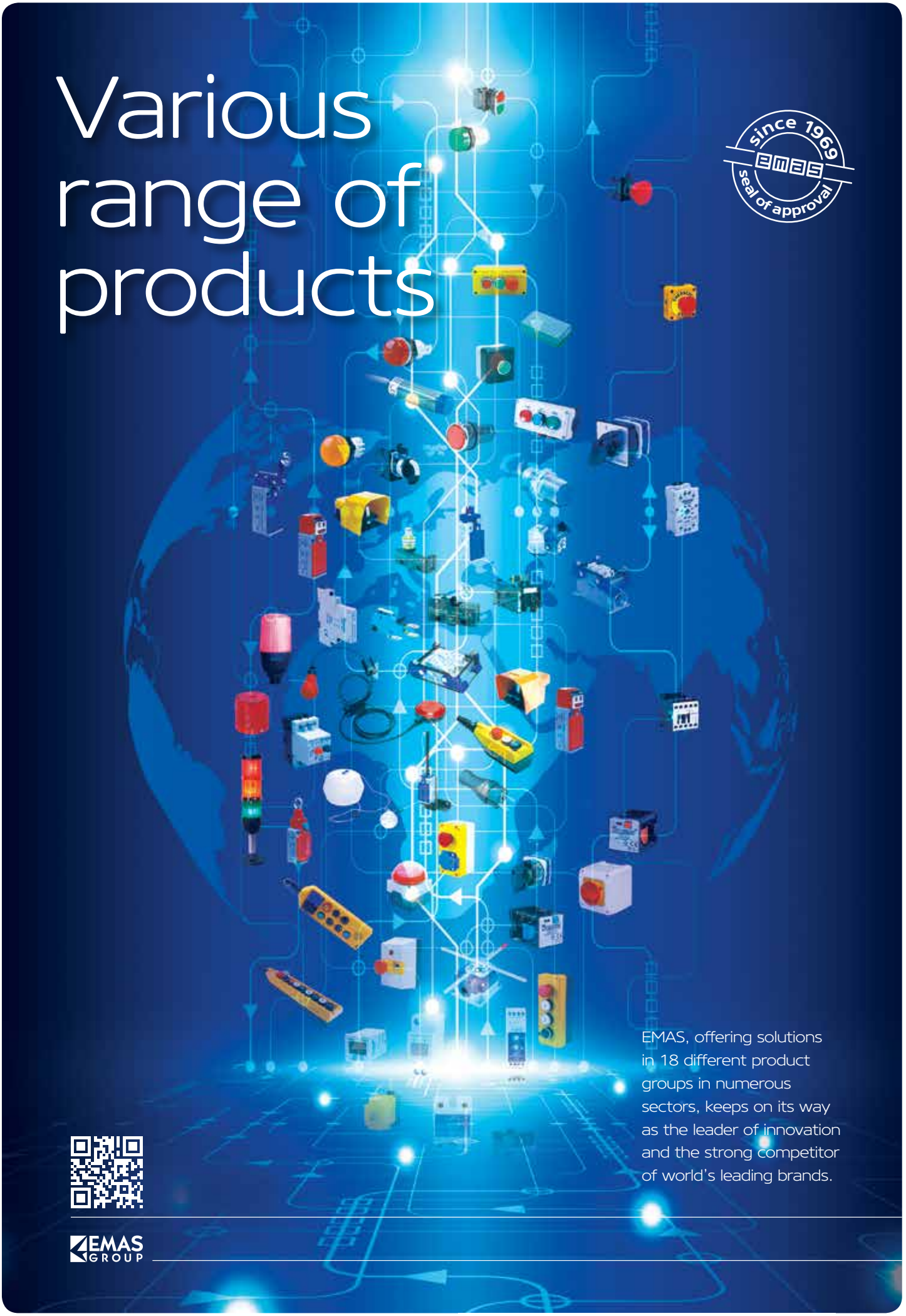
EMAS GROUP

Various range of products



EMAS, offering solutions in 18 different product groups in numerous sectors, keeps on its way as the leader of innovation and the strong competitor of world's leading brands.

EMAS GROUP

Index

CONTROL UNITS AND PILOT LIGHTS	4
CONTROL BOXES	16
FOOT SWITCHES	20
LIMIT SWITCHES	22
SENSORS	29
BASIC SWITCHES	31
ROTARY CAM SWITCHES	34
INDUSTRIAL PLUGS & SOCKETS	42
SIGNALING DEVICES	47
MOTOR PROTECTION CIRCUIT BREAKERS	52
LEVEL CONTROL FLOAT SWITCHES	55
CONTACTORS	57
INDUSTRIAL RELAYS & SOCKETS	60
ELECTRONIC PRODUCTS	62
SAFETY PRODUCTS	67
CRANE PRODUCTS	70
LIFT PRODUCTS	72
CABLE CARRIERS	75

Control Units and Pilot Lights

B Series Control Units, 22 mm, IP 50

B100DY

Flush, Spring Return

Code	Contact Block Type	Colour*	Box/Pcs
B100D*	1 NO	B K M S Y H	10
B101D*	2 NO	B K M S Y H	10
B102D*	1 NO + 1 NC	B K M S Y H	10
B200D*	1 NC	B K M S Y H	10
B202D*	2 NC	B K M S Y H	10

B100FY

Stay-Put, Spring Return

Code	Contact Block Type	Colour*	Box/Pcs
B100F*	1 NO	B K M S Y H	10
B200F*	1 NC	B K M S Y H	10

B200HK

Extended, Spring Return

Code	Contact Block Type	Colour*	Box/Pcs
B100H*	1 NO	B K M S Y H	10
B101H*	2 NO	B K M S Y H	10
B102H*	1 NO + 1 NC	B K M S Y H	10
B200H*	1 NC	B K M S Y H	10
B202H*	2 NC	B K M S Y H	10

B102K20KY

Double, Spring Return

Code	Type	Contact Block Type	Colour*	Box/Pcs
B102K20KY		1 NO + 1 NC		8
B102K21KY	Extended	1 NO + 1 NC		8
B102K20HB		1 NO + 1 NC		8
B102K21HB	Extended	1 NO + 1 NC		8

B102B20KY

Big Size Double, Spring Return

Code	Type	Contact Block Type	Colour*	Box/Pcs
B102B20HB	Flush	1 NO + 1 NC		8
B102B20KY	Flush	1 NO + 1 NC		8

B121B30YY

Triple with Extended Stop

Code	Type	Contact Block Type	Colour*	Box/Pcs
B121B30YY	Extended Stop	1 NO + 1 NC + 1 NO		8
B121B30BB	Extended Stop	1 NO + 1 NC + 1 NO		8

B100S20

Selector

Code	Type	Contact Block Type	Position	Angle	Colour*	Box/Pcs
B100S20		1 NO	0-I	60°		10
B100S21	Spring Return	1 NO	0-I	60°		10
B101S30		2 NO	II-0-I	60°		10
B101S31	Single Spring Return	2 NO	II-0-I	60°		10
B101S32	Double Spring Return	2 NO	II-0-I	60°		10
B100R20		1 NO	0-I	45°		10
B100R21	Spring Return	1 NO	0-I	45°		10
B100T20		1 NO	0-I	90°		10
B100T21	Spring Return	1 NO	0-I	90°		10

Note1: For "12-30V AC/DC" Voltage in LED Illuminational preferences, please use the numbers; 5: White, 6: Red, 7: Blue, 8: Yellow, 9: Green, instead of "0". i.e: B160SL20

Note2: For "100-250VAC" Voltage in LED Illuminational preferences, please use the letters; B: White, K: Red, M: Blue, S: Yellow, Y: Green instead of "0". i.e: B1B0DB

Note3: Please use "3" instead of "0" for the Neon Lamb and Ba9S LED.

B100SL20Y

Illuminated Selector

Code	Type	Contact Block Type	Position	Colour*	Box/Pcs
B100SL20*		1 NO	0-I	B K M S Y H	10
B100SL21*	Spring Return	1 NO	0-I	B K M S Y H	10
B101SL30*		2 NO	II-0-I	B K M S Y H	10
B101SL31*	Single Spring Return	2 NO	II-0-I	B K M S Y H	10
B101SL32*	Double Spring Return	2 NO	II-0-I	B K M S Y H	10

Note1: For "12-30V AC/DC" Voltage in LED Illuminational preferences, please use the numbers; 5: White, 6: Red, 7: Blue, 8: Yellow, 9: Green, instead of "0". i.e: B160SL20

Note2: For "100-250VAC" Voltage in LED Illuminational preferences, please use the letters; B: White, K: Red , M: Blue, S: Yellow, Y: Green instead of "0". i.e: B1BODB

Note3: Please use "3" instead of "0" for the Neon Lamb and Ba9S LED.

B200MK

B100C

Handle and Mushroom Head

Code	Type	Contact Block Type	Position	Colour*	Box/Pcs
B100C	Handle Button	1 NO		●	10
B200C	Handle Button	1 NC		●	10
B102C	Handle Button	1 NO + 1 NC		●	10
B100M*	Mushroom Head, Spring Return	1 NO		K S Y H	10
B200M*	Mushroom Head, Spring Return	1 NC		K S Y H	10
B102M*	Mushroom Head, Spring Return	1 NO + 1 NC		K S Y H	10

**Please choose the colour and replace (*) with the letter.*

B100AC20

Key Operated

Code	Type	Contact Block Type	Position	Colour*	Box/Pcs
B100AA20		1 NO	0-I	●	10
B102AA20		1 NO + 1 NC	0-I	●	10
B100AA21	Spring Return	1 NO	0-I	●	10
B101AA30		2 NO	II-0-I	●	10
B101AA31	Single Spring Return	2 NO	II-0-I	●	10
B101AA32	Double Spring Return	2 NO	II-0-I	●	10
B100AC20	Key Removal	1 NO	0-I	●	10
B102AC20	Key Removal	1 NO + 1 NC	0-I	●	10
B102AC30	Key Removal	1 NO + 1 NC	II-0-I	●	10

B200E30

B200EE

NEW

B200EG

Emergency Stop

Code	Type	Contact Block Type	Diameter	Colour*	Box/Pcs
B200E30		1 NC	30	●	10
B102E30		1 NO + 1 NC	30	●	10
B102E		1 NO + 1 NC	40	●	10
B200E		1 NC	40	●	10
B200EE	With Label	1 NC	40	●	10
B200E60		1 NC	60	●	5
B102E60		1 NO + 1 NC	60	●	5
B200EG	With Position Curser	1 NC	40	●	10

BPR01K

Potantiometer (1,5W@70°C IP65)

Code	Features	Colour*	Box/Pcs
BPR01K	1 kΩ (Ceramic, Wired)	●	10
BPR02K	2,2 kΩ (Ceramic, Wired)	●	10
BPR05K	5 kΩ (Ceramic, Wired)	●	10
BPR10K	10 kΩ (Ceramic, Wired)	●	10
BPR100K	100 kΩ (Ceramic, Wired)	●	10

NEW

BUSB

USB

Code	Features	Box/Pcs
BUSB	USB Connection	1

B3

B1

Contact Blocks of B Series Control Units

Code	Type	Features	Position	Box/Pcs
B1	Contact Block	1 NO		20
B2	Contact Block	1 NC		20
B3	Contact Block	Contact Block for Illumination		20

B080XS

B Series Pilot Lights with Contact Block

Code	Illumination	Nominal Voltage	Colour*	Box/Pcs
B030X*	With Lampholder for Ba9S		B K M S Y	10
B050XB	LED	12 - 30V AC/DC		10
B060XK	LED	12 - 30V AC/DC		10
B070XM	LED	12 - 30V AC/DC		10
B080XS	LED	12 - 30V AC/DC		10
B090XY	LED	12 - 30V AC/DC		10
B0B0XB	LED	100-230V AC		10
B0K0XK	LED	100-230V AC		10
B0M0XM	LED	100-230V AC		10
B0S0XS	LED	100-230V AC		10
B0Y0XY	LED	100-230V AC		10

Note: B030X doesn't have lamp. Please choice Ba9s LED from Page 7. *Please choose the colour and replace (*) with the letter.*

BDH

BDAA20

BDS20

BDK20KY

BDSL20Y

BDE60

BDC

BK

BDMH

BEBK20

BEB

LED220K

LED24S

Spare Parts of B Series Control Units

Code	Type	Features	Position	Colour*	Box/ Pcs
BD*	Button	Flush		B K M S Y H	20
BH*	Button	Extended		B K M S Y H	20
BDM*	Button	Mushroom		B K M S Y H	20
BDS20	Button	Selector	0-I		20
BDS21	Button	Selector, Spring Return	0-I		20
BDS30	Button	Selector	II-0-I		20
BDAC20	Button	Key Operated	0-I		20
BDAA20	Button	Key Operated	0-I		20
BDAC30	Button	Key Operated	II-0-I		20
BDAA30	Button	Key Operated	II-0-I		20
BDSL20*	Button	Illuminated Selector	0-I	B K M S Y H	20
BDSL30*	Button	Illuminated Selector	II-0-I	B K M S Y H	20
BDB20KY	Button	Big, Double			8
BDB30YY	Button	Double with Extended Stop Button			8
BDK20KY	Button	Double			8
BDK21KY	Button	Double, Extended			8
BDK20HB	Button	Double			8
BDK21HB	Button	Double, Extended			8
BDC	Button	Handle			20
BDE	Button	Emergency Stop, 40 mm			10
BDEE	Button	Emergency Stop, 40 mm, With Label			10
BDEG	Button	Emergency Stop, 40 mm, With Position Curser			10
BDE30	Button	Emergency Stop Cylindric, 30 mm			20
BDE60	Button	Emergency Stop, 60 mm			5
TIPASOM	Stopper and Nut				500
BX*	Pilot Head Group	Combination		B K M S Y H	20
B5	Illumination Block with LED	12-30V AC/DC			20
B6	Illumination Block with LED	12-30V AC/DC			20
B7	Illumination Block with LED	12-30V AC/DC			20
B8	Illumination Block with LED	12-30V AC/DC			20
B9	Illumination Block with LED	12-30V AC/DC			20
BB	Illumination Block with LED	100-230V AC			20
BK	Illumination Block with LED	100-230V AC			20
BM	Illumination Block with LED	100-230V AC			20
BS	Illumination Block with LED	100-230V AC			20
BY	Illumination Block with LED	100-230V AC			20
BB4	Illumination Block with LED	110V AC/DC			20
BK4	Illumination Block with LED	110V AC/DC			20
BM4	Illumination Block with LED	110V AC/DC			20
BS4	Illumination Block with LED	110V AC/DC			20
BY4	Illumination Block with LED	110V AC/DC			20
BA	Adapter				100
BEB	Silicon Cover	For Single Buttons			20
BEBK20	Silicon Cover	For Double Buttons			20
BEBK21	Silicon Cover	For Extended Double Buttons			20
LED24*	Ba9S LED	24V AC /DC		B K M S Y	100
LED220*	Ba9S LED	220V AC		B K M S Y	100
BBUTONORTA	Contact Block Activator				50
BSECICIORTA	Contact Block Activator				50

**Please choose the colour and replace (*) with the letter.*

CP Series Plastic Control Units, 22 mm, IP 65

CP100DY

CP200DK

CP305DY

Flush, Spring Return

Code	Type	Contact Block Type	Colour*	Box/Pcs
CP100D*		1 NO	B K M S Y H	10
CP101D*		2 NO	B K M S Y H	10
CP102D*		1 NO + 1 NC	B K M S Y H	10
CP200D*		1 NC	B K M S Y H	10
CP202D*		2 NC	B K M S Y H	10
CP303D*		2 NO + 2 NO	B K M S Y H	5
CP305D*		2 NO + 2 NC	B K M S Y H	5
CP200MK	Mushroom	1 NC	K S Y	10

CP100HK

Extended, Spring Return

Code	Contact Block Type	Colour*	Box/Pcs
CP100H*	1 NO	B K M S Y H	10
CP101H*	2 NO	B K M S Y H	10
CP102H*	1 NO + 1 NC	B K M S Y H	10
CP200H*	1 NC	B K M S Y H	10
CP202H*	2 NC	B K M S Y H	10

CP102K20KY

Double, Spring Return

Code	Type	Contact Block Type	Colour*	Box/Pcs
CP102K20KY	Double	1 NO + 1 NC		8
CP102K20HB	Double	1 NO + 1 NC		8
CP102K21KY	Double Extended	1 NO + 1 NC		8
CP102K21HB	Double Extended	1 NO + 1 NC		8

CP100S20

Selector

Code	Type	Contact Block Type	Position	Colour*	Box/Pcs
CP100S20		1 NO	0-I		10
CP100S21	Spring Return	1 NO	0-I		10
CP101S30		2 NO	II-0-I		10
CP303S30		2 NO + 2 NO	II-0-I		5
CP305S30		2 NO + 2 NC	II-0-I		5
CP101S31	Single Spring Return	2 NO	II-0-I		10
CP101S32	Double Spring Return	2 NO	II-0-I		10

Note1: For "12-30V AC/DC" Voltage in LED illuminational preferences, please use the numbers; 5: White, 6: Red, 7: Blue, 8: Yellow, 9:Green, instead of "0". i.e: CP160S20
Note2: For "100-250VAC" Voltage in LED illuminational preferences, please use the letters; B: White, K: Red , M: Blue, S: Yellow, Y:Green instead of "0". i.e: CP1B0S20

CP200EA30

CP200EP

CP200EE

Emergency Stop

Code	Type	Contact Block Type	Dia (mm)	Colour*	Box/Pcs
CP200E30	Turn to Release	1 NC	30		10
CP200ES30	With Signal	1 NC	30		10
CP200EA30	Key Operated	1 NC	30		10
CP200ECN30	Pull to Release	1 NC	30		10
CP200ECS30	With Signal, Pull to Release	1 NC	30		10
CP200E	Turn to Release	1 NC	40		10
CP200EP	With Window, Pull to Release	1 NC	40		10
CP200EE	With Label	1 NC	40		10
CP200EK30	Turn to Release-Short	1 NC	30		10

CP100AC20

Key Operated

Code	Type	Contact Block Type	Position	Colour	Box/Pcs
CP100AA20		1 NO	0-I		10
CP101AA21	Spring Return	2 NO	0-I		10
CP102AA30		1 NO + 1 NC	II-0-I		10
CP101AA31	Single Spring Return	2 NO	II-0-I		10
CP101AA32	Double Spring Return	2 NO	II-0-I		10
CP100AC20		1 NO	0-I		10
CP102AC30		1 NO + 1 NC	II-0-I		10

CP707DJ40

Joystick

Code	Type	Position	Colour	Box/Pcs
CP101DJ20		2 Pos.		1
CP101DJ21	Spring Return	2 Pos.		1
CP707DJ40		4 Pos.		1
CP707DJ41	Spring Return	4 Pos.		1

CP060XK

CP Series Pilot Lights with Contact Block

Code	Illumination	Nominal Voltage	Colour	Box/Pcs
CP050XB	LED	12 - 30V AC/DC		10
CP060XK	LED	12 - 30V AC/DC		10
CP070XM	LED	12 - 30V AC/DC		10
CP080XS	LED	12 - 30V AC/DC		10
CP090XY	LED	12 - 30V AC/DC		10
CP0B0XB	LED	100-230V AC		10
CP0K0XK	LED	100-230V AC		10
CP0M0XM	LED	100-230V AC		10
CP0S0XS	LED	100-230V AC		10
CP0Y0XY	LED	100-230V AC		10

CM Series Metal Control Units, 22 mm, IP 65

CM100DY

CM200DK

Flush, Spring Return

Code	Type	Contact Block Type	Colour	Box/Pcs
CM100D*		1 NO	B K M S Y H	10
CM101D*		2 NO	B K M S Y H	10
CM102D*		1 NO + 1 NC	B K M S Y H	10
CM200D*		1 NC	B K M S Y H	10
CM202D*		2 NC	B K M S Y H	10
CM305D*		2 NO + 2 NC	B K M S Y H	5
CM200M*	Mushroom	1 NC	K S Y	10

** Please choose the colour and replace (*) with the letter.*

CM100HY

Extended, Spring Return

Code	Contact Block Type	Colour*	Box/Pcs
CM100H*	1 NO	B K M S Y H	10
CM101H*	2 NO	B K M S Y H	10
CM102H*	1 NO + 1 NC	B K M S Y H	10
CM200H*	1 NC	B K M S Y H	10
CM202H*	2 NC	B K M S Y H	10

CM102K20KY

Double, Spring Return

Code	Type	Contact Block Type	Colour	Box/Pcs
CM102K20KY		1 NO + 1 NC		8
CM102K20HB		1 NO + 1 NC		8
CM102K21KY	Double Extended	1 NO + 1 NC		8
CM102K21HB	Double Extended	1 NO + 1 NC		8

CM100S20

Selector

Code	Type	Contact Block Type	Position	Colour	Box/Pcs
CM100S20		1 NO	0-I		10
CM100S21	Spring Return	1 NO	0-I		10
CM101S30		2 NO	II-0-I		10
CM303S30		2 NO + 2 NO	II-0-I		10
CM101S31	Single Spring Return	2 NO	II-0-I		10
CM101S32	Double Spring Return	2 NO	II-0-I		10

Note: For "12-30V AC/DC" Voltage in LED Illuminational preferences, please use the numbers; 5: White, 6: Red, 7: Blue, 8: Yellow, 9: Green, instead of "0". i.e: CM160S20
For "100-250VAC" Voltage in LED Illuminational preferences, please use the letters; B: White, K: Red , M: Blue, S: Yellow, Y: Green, instead of "0". i.e: CM1B0DB.

CM200E

Emergency Stop

Code	Type	Contact Block Type	Colour	Box/Pcs
CM200E	Emergency Stop	1 NC		10
CM200EE	With, Label	1 NC		10
CM200EP	With, Window, Pull to Release	1 NC		10

NEW

CM200EE

Key Operated

Code	Type	Contact Block Type	Position	Colour	Box/Pcs
CM100AA20		1 NO	0-I		10
CM100AA21	Spring Return	1 NO	0-I		10
CM102AA30		1 NO + 1 NC	II-0-I		10
CM101AA31	Single Spring Return	2 NO	II-0-I		10
CM101AA32	Double Spring Return	2 NO	II-0-I		10
CM102AA20		1 NO + 1 NC	0-I		10
CM100AC20		1 NO	0-I		10
CM102AC20		1 NO + 1 NC	0-I		10
CM102AC30		1 NO + 1 NC	II-0-I		10

CM100AC20

CM707DJ40

Joystick

Code	Type	Position	Colour	Box/Pcs
CM101DJ20		2 Pos.		1
CM101DJ21	Spring Return	2 Pos.		1
CM707DJ40		4 Pos.		1
CM707DJ41	Spring Return	4 Pos.		1

CM090XY

CM Series Pilot Lights with Contact Block

Code	Illumination	Nominal Voltage	Colour	Box/Pcs
CM050XB	LED	12 - 30V AC/DC		10
CM060XK	LED	12 - 30V AC/DC		10
CM070XM	LED	12 - 30V AC/DC		10
CM080XS	LED	12 - 30V AC/DC		10
CM090XY	LED	12 - 30V AC/DC		10
CM0B0XB	LED	100-230V AC		10
CM0K0XK	LED	100-230V AC		10
CM0M0XM	LED	100-230V AC		10
CM0S0XS	LED	100-230V AC		10
CM0Y0XY	LED	100-230V AC		10

C1

C2

C3BK

C3CK

C4BK

C4CK

C12

Spare Parts for CP/CM Series Control Units

Code	Type	Features	Colour	Box/Pcs
C1	Contact Block	1 NO		20
C2	Contact Block	1 NC		20
C1AU	Gold Plated Contact Block	1 NO		20
C2AU	Gold Plated Contact Block	1 NC		20
C12	Joystick Contact Block	2 NO		20
C3BK	Contact Block for Control Boxes (B Series)	1 NO		20
C4BK	Contact Block for Control Boxes (B Series)	1 NC		20
C3CK	Contact Block for Control Boxes (C Series)	1 NO		20
C4CK	Contact Block for Control Boxes (C Series)	1 NC		20
CPD*	Button - Plastic	Flush IP65	B K M S Y H	20
CPH*	Button - Plastic	Extended	B K M S Y H	20
CPDS20	Selector - Plastic	Selector IP65		20
CPDS30	Selector - Plastic	Selector IP65		20
CPX*	Pilot Head - Plastic		B K M S Y	20
CPDE30	Emergeny Stop Head	IP65 - Turn to Release		20
CPDEA30	Emergeny Stop Head	IP65 - Key Operated		20
CPDECN30	Emergeny Stop Head	IP65 - Pull to Release		20
CPDES30	Emergeny Stop Head	IP65 - With Signal		20
CMD*	Button - Metal	IP65	B K M S Y H	20
CMH*	Button - Metal	Extended	B K M S Y H	20
CMDS20	Selector - Metal	Selector IP65		20
CMDS30	Selector - Metal			20
CMX*	Pilot Head - Metal		B K M S Y	20

Please choose the colour and replace (*) with the letter.

CPDY

CPDS20

CBB

CPXK

CA

Illumination Block LED

For Control Units / For Control Boxes

Code	Type	Features	Colour	Box/Pcs
CB5 / CK5	Illumination Block with LED	12-30V AC/DC		20
CB6 / CK6	Illumination Block with LED	12-30V AC/DC		20
CB7 / CK7	Illumination Block with LED	12-30V AC/DC		20
CB8 / CK8	Illumination Block with LED	12-30V AC/DC		20
CB9 / CK9	Illumination Block with LED	12-30V AC/DC		20
CBB / CKB	Illumination Block with LED	100-230V AC		20
CBK / CKK	Illumination Block with LED	100-230V AC		20
CBM / CKM	Illumination Block with LED	100-230V AC		20
CBS / CKS	Illumination Block with LED	100-230V AC		20
CBY / CKY	Illumination Block with LED	100-230V AC		20
CBB4 / CKB4	Illumination Block with LED	110V AC/DC		20
CBK4 / CKK4	Illumination Block with LED	110V AC/DC		20
CBM4 / CKM4	Illumination Block with LED	110V AC/DC		20
CBS4 / CKS4	Illumination Block with LED	110V AC/DC		20
CBY4 / CKY4	Illumination Block with LED	110V AC/DC		20
CA	Adapter			20
CEA	Additional Adapter			10

Pad Printed Control Units (mat surface without Illumination)

Code	B102K20KY-10	B101K20YY-12	B101K20YY-0K	B102K20HB-10	B101K20HH-0K	B101K20BB-12	B101K20SH-10	B101K20SS-12
	CP102K20KY-10	CP101K20YY-12	CP101K20YY-0K	CP102K20HB-10	CP101K20HH-0K	CP101K20BB-12	CP101K20SH-10	CP101K20SS-12
	CM102K20KY-10	CM101K20YY-12	CM101K20YY-0K	CM102K20HB-10	CM101K20HH-0K	CM101K20BB-12	CM101K20SH-10	CM101K20SS-12
PRINT	I-0	I-II	Arrow Signed	I-0	Arrow Signed	I-II	I-0	I-II

Code	B100DY-0D	B100DY-0Y	B100DH-0D	B100DH-0Y	B100DB-0D	B100DB-0Y	B100DB-Z	B100DB-L
	CP100DY-0D	CP100DY-0Y	CP100DH-0D	CP100DH-0Y	CP100DB-0D	CP100DB-0Y	CP100DB-Z	CP100DB-L
	CM100DY-0D	CM100DY-0Y	CM100DH-0D	CM100DH-0Y	CM100DB-0D	CM100DB-0Y	CM100DB-Z	CM100DB-L
	MB100DY-0D	MB100DY-0Y	MB100DH-0D	MB100DH-0Y	MB100DB-0D	MB100DB-0Y	MB100DB-Z	MB100DB-L
PRINT	Vertical Arrow	Horizontal Arrow	Vertical Arrow	Horizontal Arrow	Vertical Arrow	Horizontal Arrow	Bell	Lamp

Code	B100DY-1	B100DY-2	B100DB-1	B100DB-2	B200DK-0	B200DH-0	B200DS-Z	B200DS-L
	CP100DY-1	CP100DY-2	CP100DB-1	CP100DB-2	CP200DK-0	CP200DH-0	CP200DS-Z	CP200DS-L
	CM100DY-1	CM100DY-2	CM100DB-1	CM100DB-2	CM200DK-0	CM200DH-0	CM200DS-Z	CM200DS-L
	MB100DY-1	MB100DY-2	MB100DB-1	MB100DB-2	MB200DK-0	MB200DH-0	MB200DS-Z	MB200DS-L
PRINT	I	II	I	II	0	0	Bell	Lamp

Note : Minimum Order Quantity : 50 pcs

BROZET18

BROZET08

BPROT

BMUHAFAZA

BET60P

BPUL

BET60LED2

Accessories for B and C Series Control Units

Code	Type	Features	Position	Box/Pcs
BROZET08	Plate Holder	8 mm.		100
BROZET18	Plate Holder	18 mm.		100
BCIFTLIROZET18	Double Plate Holder	18 mm.		100
BET08	Plate	8 mm. Empty		100
BET18	Plate	18 mm. Empty		100
BET08START	Plate	8 mm. Start		100
BET08STOP	Plate	8 mm. Stop		100
BET0801	Plate	8 mm.	0-I	100
BET0801OK	Plate	8 mm.	0-I	100
BET08201	Plate	8 mm.	II-0-I	100
BET08201OK	Plate	8 mm.	II-0-I	100
BET08201OK2	Plate	8 mm.	II-0-I	10
BET60P	Plate, Plastic	60 mm. Emergency Stop		10
BET90P	Plate, Plastic	90 mm. Emergency Stop		10
BET60A	Plate, Aluminium	60 mm. Emergency Stop		2
BET90A	Plate, Aluminium	90 mm. Emergency Stop		2
BET60LED2	Plate, Plastic With Led	60 mm. Emergency Stop		1
BMUHAFAZA	Emergency Protective Cover	Stroke Protection		20
CMUHAFAZA	Emergency Protective Cover	Stroke Protection		20
BPUL	Plate	Button Tightening		100
TIPASOM	Stopper and Nut			500
BEB	Silicon Cover	For Single Buttons		20
BEBK20	Silicon Cover	For Double Buttons		20
BEBK21	Silicon Cover	For Extended Double Buttons		20
BPROT	Protective Cover			20
BSOMAN	Nut Tightener			10

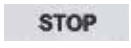
BET08-2010K2

BET08-2010K

BET08

BET18

BET08-START



BET08-STOP

BET08-01

BET08-010K

BET08-201

D Series Control Units, 16 mm

D100DDY

Rectangle,Spring Return

Code	Contact Block Type	Colour*	Box/Pcs
D100DD*	1 NO	B K M S Y H	10
D101DD*	2 NO	B K M S Y H	10
D102DD*	1 NO + 1 NC	B K M S Y H	10
D200DD*	1 NC	B K M S Y H	10
D202DD*	2 NC	B K M S Y H	10

D200KDK

Square, Spring Return

Code	Contact Block Type	Colour*	Box/Pcs
D100KD*	1 NO	B K M S Y H	10
D101KD*	2 NO	B K M S Y H	10
D102KD*	1 NO + 1 NC	B K M S Y H	10
D200KD*	1 NC	B K M S Y H	10
D202KD*	2 NC	B K M S Y H	10

D200YDK

Round, Spring Return

Code	Contact Block Type	Colour*	Box/Pcs
D100YD*	1 NO	B K M S Y H	10
D101YD*	2 NO	B K M S Y H	10
D102YD*	1 NO + 1 NC	B K M S Y H	10
D200YD*	1 NC	B K M S Y H	10
D202YD*	2 NC	B K M S Y H	10

Note: For “24V AC/DC” Voltage in LED illumination preferences, please use the numbers; 5: White, 6: Red, 7: Blue, 8: Yellow, 9: Green instead of “0”. i.e: D190DDY

D101YS30

Round, Selector

Code	Type	Contact Block Type	Position	Colour	Box/Pcs
D100YS20		1 NO	0-I	●	10
D100YS21	Spring Return	1 NO	0-I	●	10
D101YS30		2 NO	II-0-I	●	10
D101YS31	Single Spring Return	2 NO	II-0-I	●	10
D101YS32	Double Spring Return	2 NO	II-0-I	●	10

Mushroom, Spring Return

Code	Contact Block Type	Colour*	Box/Pcs
D100YM30*	1 NO	B K M S Y H	10
D102YM30*	1 NO + 1 NC	B K M S Y H	10
D200YM30*	1 NC	B K M S Y H	10

D200YE30

Emergency Stop

Code	Contact Block Type	Colour*	Box/Pcs
D100YE30	1 NO	●	10
D102YE30	1 NO + 1 NC	●	10
D200YE30	1 NC	●	10

D9

D2

Spare Parts for D Series Control Units

Code	Contact Block Type	Colour*	Box/Pcs
D1	1 NO		10
D2	1 NC		10
D5**	-	○	10
D6**	-	●	10
D7**	-	●	10
D8**	-	●	10
D9**	-	●	10
DA	Button Adapter		10

** (**) 24V AC/DC LED.*

D060DXK

D080KXS

D Series 16 mm Pilot Lights

Code	Pilot Shape	Illumination	Nominal Voltage	Colour	Box/Pcs
D050DXB	Rectangle	LED	24V AC/DC		10
D060DXK	Rectangle	LED	24V AC/DC		10
D070DXM	Rectangle	LED	24V AC/DC		10
D080DXS	Rectangle	LED	24V AC/DC		10
D090DXY	Rectangle	LED	24V AC/DC		10
D050KXB	Square	LED	24V AC/DC		10
D060KXK	Square	LED	24V AC/DC		10
D070KXM	Square	LED	24V AC/DC		10
D080KXS	Square	LED	24V AC/DC		10
D090KXY	Square	LED	24V AC/DC		10
D050YXB	Round	LED	24V AC/DC		10
D060YXK	Round	LED	24V AC/DC		10
D070YXM	Round	LED	24V AC/DC		10
D080YXS	Round	LED	24V AC/DC		10
D090YXY	Round	LED	24V AC/DC		10

H Series Control Units, 30 mm, IP 50

H100DY

H200DK

Flush, Spring Return

Code	Contact Block Type	Colour*	Box/Pcs
H100D*	1 NO	B K M S Y H	10
H101D*	2 NO	B K M S Y H	10
H102D*	1 NO + 1 NC	B K M S Y H	10
H200D*	1 NC	B K M S Y H	10
H202D*	2 NC	B K M S Y H	10

Spare Parts: You can use Contact Blocks and Illumination Contact Blocks from B Series.

H200EE

Emergency Stop

Code	Type	Contact Block Type	Colour	Box/Pcs
H200E		1 NC	K	10
H200EE	With Label	1 NC	K	10

KB Series Control Units, 22 mm, IP 40

KB34DY

KB14RS-0

Flush, Spring Return

Code	Type	Contact Block Type	Colour	Box/Pcs
KB12D*		1 NC	B K M S Y	10
KB34D*		1 NO	B K M S Y	10
KB14D*		1 NC + 1 NO	B K M S Y	10
KB12R*	With Silicon Cover	1 NC	B K M S Y	10
KB34R*	With Silicon Cover	1 NO	B K M S Y	10
KB14R*	With Silicon Cover	1 NC + 1 NO	B K M S Y	10
KB14R*-0	With Silicon Cover, With Arrow	1 NC + 1 NO	B K M S Y	10
KB34R*-0	With Silicon Cover, With Arrow	1 NO	B K M S Y	10
KB12R*-0	With Silicon Cover, With Arrow	1 NC	B K M S Y	10

KB34S2

Selector

Code	Contact Block Type	Colour	Box/Pcs
KB34S2	1 NO		10
KB14S2	1 NO + 1 NC		10

KB12C

Handle

Code	Contact Block Type	Colour	Box/Pcs
KB12C	1 NC	B	10
KB34C	1 NO	B	10
KB14C	1 NO + 1 NC	B	10

KB14A2

Key Operated

Code	Contact Block	Colour	Box/Pcs
KB14A2	1 NO + 1 NC	●	10

KB12MK

Mushroom

Code	Contact Block	Colour	Box/Pcs
KB12M*	1 NC	K S Y	10
KB34M*	1 NO	K S Y	10
KB14M*	1 NO + 1 NC	K S Y	10

KB12E

Emergency Stop

Code	Contact Block	Colour	Box/Pcs
KB12E	1 NC	●	10
KB14E	1 NO + 1 NC	●	10

KB12

Spare Parts for KB Series Control Units

Code	Type	Contact Block	Colour	Box/Pcs
KB12	Contact Block	1 NC		100
KB34B	Contact Block	1 NO		100
KB14B	Contact Block, For Push Button	1 NO + 1 NC		100
KB14K	Contact Block, For Box	1 NO + 1 NC		100
D*	Button Head		B K M S Y	100

**Please choose the colour and replace (*) with the letter.*

MB Series Monoblock Control Units, 22 mm, IP 40

MB102DM

MB100DY

Flush, Spring Return

Code	Contact Block	Colour	Box/Pcs
MB100D*	1 NO	B K M S Y H	10
MB102D*	1 NO + 1 NC	B K M S Y H	10
MB200D*	1 NC	B K M S Y H	10
MB101D*	2 NO	B K M S Y H	10
MB202D*	2 NC	B K M S Y H	10

MB100FY

Stay-Put, Spring Return

Code	Contact Block	Colour	Box/Pcs
MB100F*	1 NO	K M S Y H	10
MB200F*	1 NC	K M S Y H	10
MB101F*	2 NO	K M S Y H	10
MB102F*	1 NO + 1 NC	K M S Y H	10

MB100S20

Selector

Code	Type	Contact Block	Position	Colour	Box/Pcs
MB100S20		1 NO	0-I	●	10
MB100S21	Spring Return	1 NO	0-I	●	10
MB101S30		2 NO	II-0-I	●	10
MB101S32	Double Spring Return	2 NO	II-0-I	●	10

MB200EE

Emergency Stop

Code	Type	Contact Block	Diameter	Colour	Box/Pcs
MB200E		1 NC	40 mm.	●	10
MB200EE	With Label	1 NC	40 mm.	●	10

MB200E

MB200MK

Mushroom Head

Code	Contact Block Type	Colour	Box/Pcs
MB100M*	1 NO	K S Y	10
MB101M*	2 NO	K S Y	10
MB102M*	1 NO + 1 NC	K S Y	10
MB200M*	1 NC	K S Y	10
MB202M*	2 NC	K S Y	10

MBSD024Y

MBSP220Y

Monoblock Pilot Lights (LED)

Code	Features	Nominal Voltage	Colour	Box/Pcs
MBSD024*	Flat Glass	24V AC/DC	B K M S Y	10
MBSD220*	Flat Glass	220V AC	B K M S Y	10
MBSP024*	Cellular Glass	24V AC/DC	B K M S Y	10
MBSP220*	Cellular Glass	220V AC	B K M S Y	10

MBZS024S

MBZX220S

Monoblock Buzzers, 90 db (10 cm Distance)

Code	Features	Nominal Voltage	Features	Box/Pcs
MBZS024S	With LED Illumination	24V AC/DC	Single Melody	10
MBZS220S	With LED Illumination	220V AC	Single Melody	10
MBZX024S		24V AC/DC	Single Melody	10
MBZX220S		220V AC	Single Melody	10

Not: For IP65 preferences, please add "E" letter to end of the code
In case of IP65 preferences, volume has been decreased 5 db.

**Please choose the colour and replace (*) with the letter.*

Pilot Lights

S100LK

S102S

S140K

S224B

S140Y2

S222LS

Code	Dia (mm)	Illumination	Features	Voltage	Colour	Box/Pcs
S100N*	10	Bulb		230V AC	B K M S Y	100
S100L*	10	LED	With Silicon Cable	230V AC	B K M S Y	100
S100L1*	10	LED	With Silicon Cable	12V AC/DC	B K M S Y	100
S100L2*	10	LED	With Silicon Cable	24V AC/DC	B K M S Y	100
S100N*5SP0	10	Bulb	With Silicon Cable	230V AC	B K M S Y	100
S102N*	10	Bulb	With Terminal	230V AC	B K M S Y	50
S105N*	10	Bulb	Nutless	230V AC	B K M S Y	50
S140*	14	Bulb	Thermoglass	230V AC	B K M S Y	50
S140*1	14	Bulb		12V DC	B K M S Y	50
S140*2	14	Bulb		24V DC	B K M S Y	50
S145*	14	Bulb	Hooked	230V AC	B K M S Y	50
S220*	22	Bulb	Conic Glass	230V	B K M S Y	20
S220*6	22	With Lampholder	Conic Glass		B K M S Y	20
S222*	22	Bulb	Finger Proof	230V AC	B K M S Y	20
S222L*	22	LED	Finger Proof	230V AC	B K M S Y	20
S224*	22	Bulb	Terminal + Screw	230V AC	B K M S Y	20
S224*7	22	With Ba9S Lampholder	Terminal + Screw		B K M S Y	20

**Please choose the colour and replace (*) with the letter.*
Note: S145O ve S220O Signal Lamps are transparent colour.

PDA

NA201Y

Spare Parts

Code	Illumination	Features	Voltage	Colour	Box/Pcs
PDA	Bulb with Plastic Lampholder		220V	○	100
NA201Y	Neon Bulb	Rotat. Mount., Green	220V	●	100
NA201	Neon Bulb	Rotational Mounting	220V	○	100
NA101	Neon Bulb	Screw Mounting	220V	○	100
NA201-24	Neon Bulb	Rotational Mounting	24V	○	100

M1C200EE

Control Boxes

Control Boxes

P1C300M72H

P1C400DK

P1C400E72

P1C300DY

P3EC1A2BE30

P1EC400E40K

P2AB

P Series (IP65 with available Push Buttons)

Code	Button Qty	Features	Box Colour	Box/Pcs
P1C300M72H	1	72 mm Mushroom Button (Black Button) (Start)	Black-Grey	1
P1C400M72	1	72mm. Mushroom (Red Button)(Stop)	Black-Grey	1
P1C400E72	1	72mm. Emergency Stop	Black-Grey	1
P1C300DY	1	Green	Black-Grey	1
P1C400DK	1	Red	Black-Grey	1
P1C304DK	1	Red (Start-Stop)	Black-Grey	1
P1C304MK	1	Mushroom Red (Start-Stop)	Black-Grey	1
P1EC400E40	1	Emergency Stop	Yellow-Black	1
P1EC400E40K	1	Emergency Stop, With Plate	Yellow-Black	1
P2AB	2	Green-Red (Start-Stop)	Black-Grey	1
P2ABE30	2	Cylindiric Head (Start-Emergency Stop)	Black-Grey	1
P2CC	2	Green-Red (Start-Stop/Start-Stop)	Black-Grey	1
P2CCM	2	Green-Mushroom-Red (Start-Stop/Start-Stop)	Black-Grey	1
P3EC2A1BE30	3	Emergency Stop	Yellow-Grey	1
P43A1B	4	3 Start / 1 Stop	Black-Grey	1
P43A1BE30	4	3 Start / 1 Emergency Stop (Cyl.Head)	Black-Grey	1
P44C	4	4 Start-Stop	Black-Grey	1
P1BOS	1	Empty Box	Black-Grey	1
P2BOS	2	Empty Box	Black-Grey	1
P3BOS	3	Empty Box	Black-Grey	1
P4BOS	4	Empty Box	Black-Grey	1
P6BOS	6	Empty Box	Black-Grey	1

M1C200E40

NEW

M1C200EE

M Series (Metal) (IP65 with available Push Buttons)

Code	Button Qty	Features	Box Colour	Box/Pcs
M1C200E40	1	Emergency Stop	Yellow-Grey	1
M1C200EE	1	Emergency Stop With Label	Yellow-Grey	1
M1CBOS	1	Empty Box	Yellow-Grey	1

PY1BOS

PY Series (IP65 with available Push Buttons)

Code	Button Qty	Features	Box Colour	Box/Pcs
PY1BOS	1	Empty Box	Black-Grey	1
PY2BOS	2	Empty Box	Black-Grey	1
PY3BOS	3	Empty Box	Black-Grey	1
PY4BOS	4	Empty Box	Black-Grey	1
PY6BOS	6	Empty Box	Black-Grey	1
PY2AB	2	Start - Stop (Monoblock)	Black-Grey	1
PY43A1B	4	3 Start - Stop (Monoblock)	Black-Grey	1

Note: You can use Selection Table for your P, PY and M Boxes Special orders. Your special orders will be delivered as dismounted if the quantity is less than 50 pcs.

PK1SE

PK2

PK3

PK31S

PK Series (IP65 with available Push Buttons)

Code	Button Qty	Features	Box Colour	Box/Pcs
PK1*	1		Black-Grey	1
PK1M*	1	With Mushroom Button	Black-Grey	1
PK1SE	1	With Emergency Stop Button	Yellow-Black	1
PK2	2		Black-Grey	1
PK3	3		Black-Grey	1
PK31S	3	With 1 Signal (S220*6)	Black-Grey	1
PK4	4		Black-Grey	1
PK5	5		Black-Grey	6
PK6	6		Black-Grey	6
PK1BOS	1	Empty Box	Black-Grey	24
PK2BOS	2	Empty Box	Black-Grey	18
PK3BOS	3	Empty Box	Black-Grey	18
PK4BOS	4	Empty Box	Black-Grey	12
PK5BOS	5	Empty Box	Black-Grey	6
PK6BOS	6	Empty Box	Black-Grey	6

Note: On PK Series control boxes, only KB Series buttons can be mounted

Control Boxes Selection Table

Series	1. Hole	2. Hole	3. Hole	4. Hole	5. Hole	6. Hole	Label
PY3	56B	07C	58L	-	-	-	A

YOU CAN CREATE YOUR SPECIAL BOX ORDER CODE FROM P BOX CODE COMBINATION TABLE IN NEXT PAGE

Series

P1C	Single Hole Plastic Control Box Black-Grey
P1EC	Single Hole Plastic Control Box Yellow-Black
PY1	Single Hole Plastic High Control Box Black-Grey
M1C	Single Hole Aluminium High Control Box Yellow-Grey
P2	Two Holes Plastic Control Box Black-Grey
PY2	Two Holes Plastic High Control Box Black-Grey
P3	Three Holes Plastic Control Box Black-Grey
P3EC	Three Holes Plastic Control Box Yellow-Black
PY3	Three Holes Plastic High Control Box Black-Grey
P4	Four Holes Plastic Control Box Black-Grey
PY4	Four Holes Plastic High Control Box Black-Grey
P6	Six Holes Plastic Control Box Black-Grey
PY6	Six Holes Plastic High Control Box Black-Grey

Label

	Without Label
A	BET08
B	BET18
C	BET08-Start
D	BET08-Stop
E	BET08-01
F	BET08-01 OK
G	BET08-201
H	BET08-201 OK
I	BET08-201 OK 2
K	BET60P For One Eyed or One Eyed Closed Boxes
L	BET60A
M	Special Label

Example: **PY3-56B07C58L-A Code means :Box type is PY3 series, 1st Hole is push button where is 56. line and B coloum in the next page, 2nd Hole is push button where is 7. line and C coloum in the next page, 3rd Hole push button where is 58. line and L coloum in the next page, Label A means BET08.**

Note: You can use Selection Table for your P, PY and M Boxes Special orders. Your special orders will be delivered as dismounted if the quantity is less than 50 pcs.

P Type Box Code Combination Table

	B BUTTON SERIES				C BUTTON SERIES				MB BUTTON SERIES			
	A	B	C	D	E	F	G	H	I	J	K	L
01	B100DB	B100S20	B100E	B030XB	CM100DB	CM100S20	CM100E	CM050XB	MB100DB	MB100S20	MB100E	MBSD024B
02	B100DB-1	B100S21	B100E30	B030XK	CM100DB-OO	CM100S21	CM200E	CM060XK	MB100DB-OD	MB100S21	MB102E	MBSD024K
03	B100DB-2	B100S30	B100MH	B030XM	CM100DB-OY	CM101S30	CM200EG	CM070XM	MB100DH	MB101S30	MB102MK	MBSD024M
04	B100DB-L	B100SL20B	B100MK	B030XS	CM100DH	CM101S31	CM200MK	CM080XS	MB100DK	MB101S31	MB200E	MBSD024S
05	B100DB-OD	B100SL20H	B100MS	B030XY	CM100DH-OO	CM101S32	CM200MY	CM090XY	MB100DM	MB101S32	MB200MK	MBSD024Y
06	B100DB-OY	B100SL20K	B100MS-Z	B050XB	CM100DK	CM102S30	CP100E	CM0B0XB	MB100DS	MB102S20	MB200EE	MBSD220B
07	B100DB-Z	B100SL20M	B100MY	B050XY	CM100DM	CM303S30	CP100M72H	CM0K0XK	MB100DY			MBSD220K
08	B100DH	B100SL20S	B102E	B060XK	CM100DS	CP100S20	CP100MK	CM0M0XM	MB100FY			MBSD220M
09	B100DH-OD	B100SL20Y	B102E30	B070XM	CM100DY	CP100S21	CP100MY	CM0S0XS	MB100MY			MBSD220S
10	B100DH-OY	B100SL21B	B102E60	B080XS	CM101DH	CP100S30	CP101ES30	CM0Y0XY	MB101DH			MBSD220Y
11	B100DK	B100SL21K	B102MH	B090XY	CM101DK	CP100S31	CP200E	CM101DJ20	MB101DK			MBSP024B
12	B100DM	B100SL21Y	B102MK	B0B0XB	CM101DM	CP100S32	CP200E30	CM101DJ21	MB101DM			MBSP024K
13	B100DS	B100SL30K	B102MY	B0K0XK	CM101DS	CP101S20	CP200EA30	CP050XB	MB101DY			MBSP024M
14	B100DS-Z	B101S20	B200E	B0M0XM	CM101DY	CP101S21	CP200ECN	CP060XK	MB102DB			MBSP024S
15	B100DY	B101S21	B200E30	B0S0XS	CM101K20YY-OK	CP101S30	CP200ECN30	CP070XM	MB102DB-OD			MBSP024Y
16	B100DY-1	B101S30	B200E60	B0Y0XY	CM102DB	CP101S31	CP200ECS30	CP080XS	MB102DH			MBSP220B
17	B100DY-2	B101S31	B200EE	B100AA20	CM102DK	CP101S32	CP200EP	CP090XY	MB102DK			MBSP220K
18	B100DY-OD	B101S32	B200MH	B100AA21	CM102DM	CP102S30	CP200ES30	CP0B0XB	MB102DM			MBSP220M
19	B100DY-OY	B101SL20B	B200MK	B100AC20	CM102DS	CP303S30	CP200MK	CP0K0XK	MB102DS			MBSP220S
20	B100HB	B101SL20H	B200MS	B100AC30	CM102DY	CP304S20	CP200MY	CP0M0XM	MB102DY			MBSP220Y
21	B100HH	B101SL20K	B200MY	B100C	CM102K20HB	CP305S30	CP202E	CP0S0XS	MB200DB			MBZS024S
22	B100HK	B101SL20M	B202EE	B100FB	CM102K20HB-10	CP100HB	CP220E	CP0Y0XY	MB200DH			MBZS220S
23	B100HM	B101SL20S		B100FH	CM102K20HH	CP100HH		CP101DJ20	MB200DK			MBZX024S
24	B100HS	B101SL20Y		B100FK	CM102K20KY	CP100HK		CP101DJ21	MB200DM			MBZX220S
25	B100HY	B101SL30B		B100FM	CM102K21HB	CP100HM		CM101A31	MB200DS			
26	B101DB-OD	B101SL30K		B100FS	CM102K21KY	CP100HS		CM100A20	MB200DY			
27	B101DH	B101SL30M		B100FY	CM200DH-O	CP100HY		CM100A21	MB200FK			
28	B101DM	B101SL30S		B101AA30	CM200DK	CP101HY		CM100A30	MB202DK			
29	B101DY	B101SL30Y		B101AA32	CM200DY	CP102HB		CM101A20				
30	B101DY-OD	B101SL31K		B101AC30	CM202DK	CP102HH		CM101A21				
31	B101HY	B101SL31Y		B101K20BB-12	CM305DY	CP102HK		CM101A30				
32	B102DB	B101SL32B		B101K20HB	CP100DB	CP102HM		CP200AC20				
33	B102DB-OD	B101SL32K		B101K20HH	CP100DB-OD	CP102HS		CP102AA20				
34	B102DH	B101SL32S		B101K20HH-OK	CP100DB-OY	CP102HY		CP102AA30				
35	B102DK	B101SL32Y		B101K20SS-12	CP100DH	CP200HK		CP102AC30				
36	B102DM	B101T20		B101K20YY-12	CP100DH-OD	CP200HY		CP101AA20				
37	B102DS	B101T20-1		B101K20YY-OK	CP100DH-OY	CP202HK		CP101AA30				
38	B102DY	B102S20		B102AA20	CP100DK	CP230HK		CP101AC20				
39	B102HB	B102S30		B102AA30	CP100DM			CP101AC30				
40	B102HH	B102S32		B102AC20	CP100DS			CP100AA20				
41	B102HK	B102SL20K		B102AC30	CP100DY			CP100AC20				
42	B102HM	B102SL20Y		B102C	CP101DK			CP100AC30				
43	B102HS	B102SL32Y		B102K20HB	CP101DY			CM102A20				
44	B102HY	B102T20		B102K20KY	CP101K20HB			CM102A21				
45	B130DB	B111S20		B102K20KY-10	CP102DB			CM102A30				
46	B130DH	B121R30		B102K20SH	CP102DH			CM102A31				
47	B130DK	B121R30-1		B102K20SH-10	CP102DK			CM100HB				
48	B130DM	B130SL20B		B102K20SYH-10	CP102DM			CM100HH				
49	B130DS	B130SL20K		B102K21HB	CP102DS			CM100HK				
50	B130DY	B130SL20M		B102K21KY	CP102DY			CM100HM				
51	B130HY	B130SL20S		B132K20HB	CP102K20HB			CM100HS				
52	B131DY	B130SL20Y		B132K20KY	CP102K20HS			CM100HY				
53	B132DK	B130SL21B		B132K21HB	CP102K20KY			CM101HY				
54	B132DS	B130SL21K		B132K21KY	CP102K21HB			CM102HB				
55	B132DY	B130SL21Y		B151K20HH-OK	CP102K21KY			CM102HH				
56	B170DM	B131SL20K		B191K20HB-S	CP200DB			CM102HK				
57	B180DS	B131SL20S		B192K21HB	CP200DK			CM102HM				
58	B190DY	B131SL20Y		B200C	CP200DM			CM102HS				
59	B200DH	B131SL30B			CP200DS			CM102HY				
60	B200DH-O	B131SL30K			CP200DY			CM200HK				
61	B200DK	B131SL30M			CP202DK			CM200HY				
62	B200DK-O	B131SL30S			CP303DY			CM202HK				
63	B200DM	B131SL30Y			CP305DY			CM230HK				
64	B200DS-L	B131SL31B										
65	B200DS-Z	B131SL31K										
66	B200DY	B131SL31Y										
67	B200FK	B131SL32B										
68	B200HK	B131SL32K										
69	B200HY	B131SL32Y										
70	B202DK	B132SL30B										
71	B202HK	B132SL30K										
72	B230DK	B132SL30M										
73	B230DY	B132SL30S										
74	B230HK	B132SL30Y										
75	B232DK	B132SL32K										
76	B232DY	B132SL32Y										
77		B160SL20K										
78		B161SL30K										
79		B180SL20S										
80		B190SL20Y										
81		B191SL30Y										
82		B191SL32Y										
83		B1K1SL30K										
84		B1S1SL30S										
85		B1Y1SL30Y										
86		B1Y1SL32Y										

PDKA22GG10G

PDKS11GX43G

Foot Switches

PD1

PDM11

Plastic Series

Code	Type	Contact Block	Colour	Box/Pcs
PDM1	Mini	1 CO	●	10
PDM11	Mini, Cable (1m.)	1 CO	●	1
PD1	Midi	1 NO	●	1
PD2	Midi	2 NO	●	1

PDA2

Aluminium Series

Code	Type	Contact Block	Colour	Box/Pcs
PDA1	Midi	1 NO	●	1
PDA2	Midi	2 NO	●	1

PPKS11BX10

PDKS11BX10

PDKS11GX42

PDNS11BX10

PDKS11GX43G

Foot Protection Series

Single Foot Switch

Code	Material	Metal Bar Mountable	Contact Block	Speed	With Protection	Box/Pcs
PDNS11BX10	Plastic		1 NO + 1 NC			1
PPKS11BX10	Plastic		1 NO +1 NC		√	1
PDKS11BX10*	Aluminium		1 NO + 1 NC		√	1
PDKS11BX30*	Aluminium		1 NO + 1 NC		√	1
PDKS11GX10*	Aluminium		2x(1 NO + 1 NC)		√	1
PDKS11GX20*	Aluminium		2x(1 NO + 1 NC)	Double	√	1
PDKS11UX20*	Aluminium		(1 NO+ 1 NC) + 2x(1 NO + 1 NC)	Double	√	1
PDKS11VX20*	Aluminium		2x(1 NO + 1 NC) + (1 NO + 1 NC)	Double	√	1
PDKA11BX10*	Aluminium	√	1 NO + 1 NC		√	1
PDKA11GX10*	Aluminium	√	2x(1 NO + 1 NC)		√	1
PDKA11GX20*	Aluminium	√	2x(1 NO +1 NC)	Double	√	1
PDKS11GX42*	Aluminium-With Reset		2x(2 NC)	Double	√	1
PDKS11GX43	Aluminium-With Reset		(1 NO + 1 NC) + 2 NC	Double	√	1

* Please replace (*) with the letter T for orange, G for grey.
Note: BX30 is Stay-Put Type.

PDKA22GG10G

PDKA22GG10

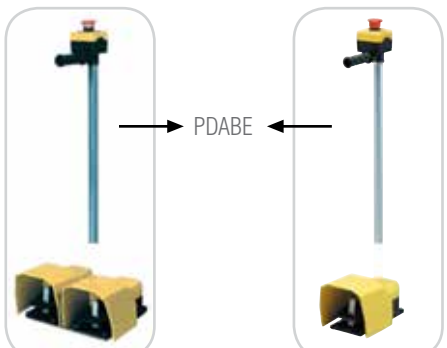
Double Foot Switch

Code	Material	Metal Bar Mountable	Contact Block	Speed	With Protection	Box/Pcs
PDKA22BB10	Aluminium	√	(1NO+1NC) + (1NO+1NC)		√	1
PDKA22BG10	Aluminium	√	(1NO+1NC) + 2x (1 NO+1NC)		√	1
PDKA22BG20	Aluminium	√	(1NO+1NC) + 2x (1NO+1NC)	Double	√	1
PDKA22GG10	Aluminium	√	2x (1NO+1NC) + 2x (1NO+1NC)		√	1
PDKA22GG20	Aluminium	√	2x (1NO+1NC) + 2x (1NO+1NC)	Double	√	1
PDKA22GG10G	Aluminium	√	(1NO + 1NC) + 2x (1NO+1NC)	Double	√	1

PDKS11BX10T

Accesories

Code	Type	With Emergency	Box/Pcs
PDABE	Metal Bar	√	1
PDABT	Metal Bar		1



PDKA22BB10 PDKA11GX10

Limit Switches

L1K13MEM121

L1K13MİM111

L1K13MEL121

L1K13PUM211

L1 Series, Aluminium Body, Snap Action, IP 65 *(except MİP11, MİM11)*

Code	Actuator	Actuator Type	Actuator End Unit Material
L1K13MİP111*	Angular Action Roller One Way	Metal	Plastic
L1K13MİM111*	Angular Action Roller One Way	Metal	Metal
L1K13MİP211*	Angular Action Roller One Way	Aluminium	Plastic
L1K13MİM211*	Angular Action Roller One Way	Aluminium	Metal
L1K13MİP311*	Angular Action Roller One Way	Plastic	Plastic
L1K13MİM311*	Angular Action Roller One Way	Plastic	Metal
L1K13MEP121*	Angular Action Roller Two Way	Plastic	Plastic
L1K13MEM121*	Angular Action Roller Two Way	Plastic	Metal
L1K13MEL121*	Angular Action Roller Two Way, Adjustable	Plastic	Rubber
L1K13PUM211*	Plunger	Plastic	Metal
L1K13MUM331*	Linear Roller	Plastic	Metal
L1K13SOM101	Spiral Lever	Plastic	Metal
L1K13SOM102	Spiral Arm	Plastic	Metal
L1K13ROP101*	Rigid Rod	Plastic	Plastic
L1K13SOP101	Spiral Arm	Plastic	Plastic-Metal
L1K13SOP102	Spiral Arm	Plastic	Plastic-Metal
L1K13SOP103	Spiral Arm	Plastic	Plastic-Metal

L2K13MİM311

L2K13MEP123

L2K13SOP102

L2K13SOM101

L2 Series, Aluminium Body, Plastic Cover, Snap Action, IP 65

Code	Actuator	Actuator Type	Actuator End Unit Material
L2K13MİP211*	Angular Action Roller One Way	Aluminium	Plastic
L2K13MİM211*	Angular Action Roller One Way	Aluminium	Metal
L2K13MİP311*	Angular Action Roller One Way	Plastic	Plastic
L2K13MİM311*	Angular Action Roller One Way	Plastic	Metal
L2K13MEP121*	Angular Action Roller Two Way	Plastic	Plastic
L2K13MEP123*	Angular Action Roller Two Way, Adjustable	Plastic	Plastic
L2K13MEP124*	Angular Action Roller Two Way, Adjustable	Plastic	Plastic
L2K13MEL121*	Angular Action Roller Two Way, Adjustable	Plastic	Rubber
L2K13MEM121*	Angular Action Roller Two Way	Plastic	Metal
L2K13MEM123*	Angular Action Roller Two Way	Plastic	Metal
L2K13MEM124*	Angular Action Roller Two Way	Plastic	Metal
L2K13PUM211*	Plunger	Plastic	Metal
L2K13MUM331*	Linear Roller	Plastic	Metal
L2K13SOM101	Spiral Lever	Plastic	Metal
L2K13SOM102	Spiral Arm	Plastic	Metal
L2K13ROP101*	Rigid Rod	Plastic	Plastic
L2K13SOP101	Spiral Arm	Plastic	Plastic-Metal
L2K13SOP102	Spiral Arm	Plastic	Plastic-Metal
L2K13SOP103	Spiral Arm	Plastic	Plastic-Metal

L3K13MİM411

L3K13MEP124

L3K13MUM331

L3K13REF121

L3K13MİP311

L3K13MEM121

L3 Series, Plastic Body, Snap Action, IP 65

Code	Actuator	Actuator Type	Actuator End Unit Material
L3K13MİP311*	Angular Action Roller One Way	Plastic	Plastic
L3K13MİP411*	Angular Action Roller One Way	Plastic	Plastic
L3K13MİM311*	Angular Action Roller One Way	Plastic	Metal
L3K13MİM411*	Angular Action Roller One Way	Plastic	Metal
L3K13MEP121*	Angular Action Roller Two Way	Plastic	Plastic
L3K13MEP123*	Angular Action Roller Two Way, Adjustable	Plastic	Plastic
L3K13MEP124*	Angular Action Roller Two Way, Adjustable	Plastic	Plastic
L3K13MEM121*	Angular Action Roller Two Way, Adjustable	Plastic	Metal
L3K13MEM123*	Angular Action Roller Two Way, Adjustable	Plastic	Metal
L3K13MEM124*	Angular Action Roller Two Way, Adjustable	Plast!k	Metal
L3K13MEL121*	Angular Action Roller Two Way, Adjustable	Plastık	Rubber
L3K13PUM211*	Plunger	Plastic	Metal
L3K13MUM331*	Linear Roller	Plastic	Metal
L3K13SOM101	Spiral Lever	Plastic	Metal
L3K13SOM102	Spiral Arm	Plastic	Metal
L3K13ROP101*	Rigid Rod	Plastic	Plastic
L3K13SOP101	Spiral Arm	Plastic	Plastic-Metal
L3K13SOP102	Spiral Arm	Plastic	Plastic-Metal
L3K13SOP103	Spiral Arm	Plastic	Plastic-Metal
L3K13REM121*	Metal Arm	Plastic	Metal
L3K13REF121	Fiber Arm	Plastic	Fiber

** Positive opening Function*

Note : For different contact block alternatives, please see contact blocks table in *Page 28*

L4K16MİM31

L4K16MEP12

L4 Series, Aluminium Body, Double Contact Block, Snap Action, IP 65

Code	Actuator	Actuator Type	Actuator End Unit Material
L4K16MİM111	Angular Action Roller One Way	Metal	Metal
L4K16MİP111	Angular Action Roller One Way	Metal	Plastic
L4K16MİP211	Angular Action Roller One Way	Aluminium	Plastic
L4K16MİM211	Angular Action Roller One Way	Aluminium	Metal
L4K16MİP311	Angular Action Roller One Way	Plastic	Plastic
L4K16MİM311	Angular Action Roller One Way	Plastic	Metal
L4K16MEP121	Angular Action Roller Two Way	Plastic	Plastic
L4K16MEM121	Angular Action Roller Two Way	Plastic	Metal
L4K16PUM211	Plunger	Plastic	Metal
L4K16MUM331	Linear Roller	Plastic	Metal

L5K13MİP311

L5K13MİP411

L5K13MEP123

L5K13MEP124

L5K13MUM331

L5K13MUM332R

L5K13MİP211

L5K13MEL121

L5 Series, Plastic Body, Snap Action, IP 65

Code	Actuator	Actuator Type	Actuator End Unit Material
L5K13MİP211*	Angular Action Roller One Way(22mm)	Plastic	Plastic
L5K13MİP311*	Angular Action Roller One Way	Plastic	Plastic
L5K13MİP411*	Angular Action Roller One Way	Plastic	Plastic
L5K13MİP411R*	Angular Action Roller One Way, with Reset	Plastic	Plastic
L5K13MİM211*	Angular Action Roller One Way(22mm)	Plastic	Metal
L5K13MİM311*	Angular Action Roller One Way	Plastic	Metal
L5K13MİM411*	Angular Action Roller One Way	Plastic	Metal
L5K13MEP121*	Angular Action Roller Two Way	Plastic	Plastic
L5K13MEP122*	Angular Action Roller Two Way, Adjustable	Plastic	Plastic
L5K13MEP123*	Angular Action Roller Two Way, Adjustable	Plastic	Plastic
L5K13MEP124*	Angular Action Roller Two Way, Adjustable	Plastic	Plastic
L5K13MEM121*	Angular Action Roller Two Way, Adjustable	Plastic	Metal
L5K13MEM122*	Angular Action Roller Two Way, Adjustable	Plastic	Metal
L5K13MEM123*	Angular Action Roller Two Way, Adjustable	Plastic	Metal
L5K13MEL121*	Angular Action Roller Two Way, Adjustable	Plastic	Rubber
L5K13MEL122*	Angular Action Roller Two Way, Adjustable	Plastic	Rubber
L5K13MEL123*	Angular Action Roller Two Way, Adjustable	Plastic	Rubber
L5K13MEL123A*	Angular Action Roller Two Way, Adjustable	Plastic	Rubber
L5K13MEM124*	Angular Action Roller Two Way, Adjustable	Plastic	Metal
L5K13PUM211*	Plunger	Plastic	Metal
L5K13PUM211R*	Plunger, with Reset	Plastic	Metal
L5K13PUP211	Plunger	Plastic	Plastic
L5K13MUM331*	Linear Roller	Plastic	Metal
L5K13MUM331R*	Linear Roller, with Reset	Plastic	Metal
L5K13SOM101	Spiral Lever	Plastic	Metal
L5K13SOM102	Spiral Arm	Plastic	Metal
L5K13SOM103	Spiral Arm	Plastic	Metal
L5K13SOP101	Spiral Arm	Plastic	Plastic-Metal
L5K13SOP102	Spiral Arm	Plastic	Plastic-Metal
L5K13SOP103	Spiral Arm	Plastic	Plastic-Metal
L5K13ROP101*	Rigid Rod	Plastic	Plastic
L5K13CPDE	Emergency Stop	Plastic	Plastic

L5K23LEM411

L5K23BEM621

L5K23CPDE

L5K23LUM323

L5 Series, Plastic Body, Slow Action, IP 65

Code	Actuator	Actuator Type	Actuator End Unit Material
L5K23MEL123A	Angular Action Roller Two Way, Adjustable	Plastic	Lastic
L5K23SOM103	Spiral Arm	Plastic	Metal
L5K23LEM411*	Hinge	Plastic	Metal
L5K23LEM412*	Hinge	Plastic	Metal
L5K23LEM511*	Hinge	Plastic	Metal
L5K23LEM621*	Hinge	Plastic	Metal
L5K23LEM622*	Hinge	Plastic	Metal
L5K23BEM621*	Rotational Tube	Plastic	Metal
L5K23LUM321*	Curved Key	Plastic	Metal
L5K23LUM322*	Straight Key	Plastic	Metal
L5K23LUM323	Movable Key	Plastic	Metal
L5K23MUM332R*	Linear Roller, with Reset	Plastic	Metal
L5K23CPDE	Emergency Stop	Plastic	Plastic
L5K23LUM324	Movable Key	Plastic	Metal

** Positive opening Function*

Note : For different contact block alternatives, please see contact blocks table in Page 28

L51K13MİP211

L51K13MİM311

L51K13MİM411

L51K13MEM121

L51K13MEM122

L51K13SOM101

L51K13SOM102

L51K23LUM321

L52K23HUM112

L52K13MİP211

L52K13MİM311

L52K13MİM411

L52K13MEP123

L52K13MEP124

L52K13MUM331

L52K13PUM211

L52K13REF121

L52K13REM121

L51 Series, Metal Body, Snap Action, IP 65

Code	Actuator	Actuator Type	Actuator End Unit Material
L51K13MİP211	Angular Action Roller One Way	Metal	Plastic
L51K13MİP311*	Angular Action Roller One Way	Metal	Plastic
L51K13MİM311*	Angular Action Roller One Way	Metal	Metal
L51K13MİM411*	Angular Action Roller One Way	Metal	Metal
L51K13MEP121*	Angular Action Roller Two Way	Metal	Plastic
L51K13MEP122*	Angular Action Roller Two Way, Adjustable	Metal	Plastic
L51K13MEP123*	Angular Action Roller Two Way, Adjustable	Metal	Plastic
L51K13MEP124*	Angular Action Roller Two Way, Adjustable	Metal	Plastic
L51K13MEP125*	Angular Action Roller Two Way	Metal	Plastic-Metal
L51K13MEM121*	Angular Action Roller Two Way	Metal	Metal
L51K13MEM122*	Angular Action Roller Two Way, Adjustable	Metal	Metal
L51K13MEM123*	Angular Action Roller Two Way, Adjustable	Metal	Metal
L51K13MEL121*	Angular Action Roller Two Way, Adjustable	Metal	Rubber
L51K13MEL122*	Angular Action Roller Two Way, Adjustable	Metal	Rubber
L51K13MEL123*	Angular Action Roller Two Way, Adjustable	Metal	Rubber
L51K13MEL123A*	Angular Action Roller Two Way, Adjustable	Metal	Rubber
L51K13MEM124*	Angular Action Roller Two Way, Adjustable	Metal	Plastic-Metal
L51K13MEM125*	Angular Action Roller Two Way	Metal	Metal
L51K13PUM211*	Plunger	Metal	Plastic-Metal
L51K13MUM331*	Linear Roller	Metal	Plastic-Metal
L51K13SOM101	Spiral Lever	Metal	Plastic-Metal
L51K13SOM102	Spiral Arm	Metal	Plastic-Metal
L51K13SOP101	Spiral Arm	Metal	Plastic-Metal
L51K13SOP102	Spiral Arm	Metal	Plastic-Metal
L51K13SOP103	Spiral Arm	Metal	Plastic-Metal
L51K13ROP101*	Rigid Rod	Metal	Plastic
L51K13REF121	Rigid Rod	Metal	Fiber
L51K13REM121*	Rigid Rod	Metal	Metal

L51 Series, Metal Body, Slow Action, IP 65

Code	Actuator	Actuator Type	Actuator End Unit Material
L51K23LUM321*	Curved Key	Metal	Metal
L51K23LUM322*	Straight Key	Metal	Metal
L51K23LUM323	Movable Key	Metal	Metal
L51K23LUM324	Movable Key	Metal	Metal
L51K23HUM111	Metal Ring	Metal	Metal
L51K23HUM112	Metal Ring, with Reset	Metal	Metal

L52 Series, Metal Body, Snap Action, IP 65

Code	Actuator	Actuator Type	Actuator End Unit Material
L52K13MİP211	Angular Action Roller One Way	Metal	Plastic
L52K13MİP311*	Angular Action Roller One Way	Metal	Plastic
L52K13MİP411*	Angular Action Roller One Way	Metal	Plastic
L52K13MİM311*	Angular Action Roller One Way	Metal	Metal
L52K13MİM411*	Angular Action Roller One Way	Metal	Metal
L52K13MEP121*	Angular Action Roller Two Way	Metal	Plastic
L52K13MEP122*	Angular Action Roller Two Way, Adjustable.	Metal	Plastic
L52K13MEP123*	Angular Action Roller Two Way, Adjustable.	Metal	Plastic
L52K13MEP124*	Angular Action Roller Two Way, Adjustable.	Metal	Plastic
L52K13MEP125*	Angular Action Roller Two Way	Metal	Plastic-Metal
L52K13MEM121*	Angular Action Roller Two Way	Metal	Metal
L52K13MEM122*	Angular Action Roller Two Way, Adjustable.	Metal	Metal
L52K13MEM123*	Angular Action Roller Two Way, Adjustable.	Metal	Metal
L52K13MEL121*	Angular Action Roller Two Way, Adjustable.	Metal	Rubber
L52K13MEL122*	Angular Action Roller Two Way, Adjustable.	Metal	Rubber
L52K13MEL123*	Angular Action Roller Two Way, Adjustable.	Metal	Rubber
L52K13MEL123A*	Angular Action Roller Two Way, Adjustable.	Metal	Rubber
L52K13MEM124*	Angular Action Roller Two Way, Adjustable.	Metal	Metal
L52K13PUM211*	Pim	Metal	Metal
L52K13MUM331*	Linear Roller	Metal	Metal
L52K13SOM101	Spiral Lever	Metal	Metal
L52K13SOM102	Spiral Arm	Metal	Metal
L52K13SOM103	Spiral Arm	Metal	Metal
L52K13SOP101	Spiral Arm	Metal	Plastic-Metal
L52K13SOP102	Spiral Arm	Metal	Plastic-Metal
L52K13SOP103	Spiral Arm	Metal	Plastic-Metal
L52K13ROP101*	Rigid Rod	Metal	Plastic
L52K13REF121	Rigid Rod	Metal	Fiber
L52K13REM121*	Rigid Rod	Metal	Metal

** Positive opening Function*

Note : For different contact block alternatives, please see contact blocks table in *Page 28*

L52K23HUM111

L52K23HUM112

L53K13MİP211

L53K13MİM311

L53K13MEP125

L53K13MEL123

L53K13MEL123A

L53K13PUM211

L53K13MUM331

L53K13SOM102

L53K13SOP103

L52 Series, Metal Body, Slow Action

Code	Actuator	Actuator Type	Actuator End Unit Material
L52K23LUM321*	Curved Key	Metal	Metal
L52K23LUM322*	Straight Key	Metal	Metal
L52K23LUM323	Movable Key	Metal	Metal
L52K23LUM324	Movable Key	Metal	Metal
L52K23HUM111	Metal Ring	Metal	Metal
L52K23HUM112	Metal Ring, with Reset	Metal	Metal

* Positive opening Function

L53 Series, Metal Body, Heavy Duty with 2 cable entry, Snap Action, IP 65

Code	Actuator	Actuator Type	Actuator End Unit Material
L53K13MİP211	Angular Action Roller One Way	Metal	Plastic
L53K13MİP311*	Angular Action Roller One Way	Metal	Plastic
L53K13MİP411*	Angular Action Roller One Way	Metal	Plastic
L53K13MİM211	Angular Action Roller (22 mm)	Metal	Metal
L53K13MİM311*	Angular Action Roller One Way	Metal	Metal
L53K13MEP121*	Angular Action Roller Two Way	Metal	Plastic
L53K13MEP122*	Angular Action Roller Two Way, Adjustable.	Metal	Plastic
L53K13MEP123*	Angular Action Roller Two Way, Adjustable.	Metal	Plastic
L53K13MEP124*	Angular Action Roller Two Way, Adjustable.	Metal	Plastic
L53K13MEP125*	Angular Action Roller Two Way, Adjustable.	Metal	Plastic
L53K13MEM121*	Angular Action Roller Two Way	Metal	Metal
L53K13MEM122*	Angular Action Roller Two Way, Adjustable.	Metal	Metal
L53K13MEM123*	Angular Action Roller Two Way, Adjustable.	Metal	Metal
L53K13MEL121*	Angular Action Roller Two Way, Adjustable.	Metal	Rubber
L53K13MEL122*	Angular Action Roller Two Way, Adjustable.	Metal	Rubber
L53K13MEL123*	Angular Action Roller Two Way, Adjustable.	Metal	Rubber
L53K13MEL123A*	Angular Action Roller Two Way, Adjustable.	Metal	Rubber
L53K13MEM124*	Angular Action Roller Two Way, Adjustable.	Metal	Metal
L53K13MEM125*	Angular Action Roller Two Way	Metal	Metal
L53K13PUM211*	Plunger	Metal	Metal
L53K13MUM331*	Linear Roller	Metal	Metal
L53K13SOM101	Spiral Lever	Metal	Metal
L53K13SOM102	Spiral Arm	Metal	Metal
L53K13SOM103	Spiral Arm	Metal	Metal
L53K13SOP101	Spiral Arm	Metal	Plastic-Metal
L53K13SOP102	Spiral Arm	Metal	Plastic-Metal
L53K13SOP103	Spiral Arm	Metal	Plastic-Metal
L53K13ROP101*	Rigid Rod	Metal	Plastic
L53K13REF121	Rigid Rod	Metal	Fiber

Note : For different contact block alternatives, please see contact blocks table in Page 28

L53 Series, Metal Body, Heavy Duty with 2 cable entry, Slow Action, IP 65

Code	Actuator	Actuator Type	Actuator End Unit Material
L53K23LUM321	Curved Key	Metal	Metal
L53K23LUM322	Straight Key	Metal	Metal
L53K23HUM111	Metal Ring	Metal	Metal
L53K23HUM112	Metal Ring, with Reset	Metal	Metal

L61K13MUM331

L66K13MEP121

L61 Series, Metal Body, With Cable, IP67, Snap Action (2 mt.cable)

Code	Actuator	Actuator Type	Actuator End Unit Material
L61K13MUM331*	Linear Roller	Metal	Metal
L61K13PUM211*	Plunger	Metal	Metal
L61K13MEM121*	Angular Action Roller Two Way	Metal	Metal
L61K13MEP121*	Angular Action Roller Two Way	Metal	Plastic

L66 Series, Plastic Body, With Cable, IP67, Snap Action (2 mt.cable)

Code	Actuator	Actuator Type	Actuator End Unit Material
L66K13MUM331*	Linear Roller	Metal	Metal
L66K13PUM211*	Plunger	Metal	Metal
L66K13MEM121*	Angular Action Roller Two Way	Plastic	Metal
L66K13MEP121*	Angular Action Roller Two Way	Plastic	Plastic

* Positive opening Function

LD11MİP11

LD22MİP21

LD23MİP41

LD23MEM12

LD23SOP10

LD23ROP10

LD33MİP311

LD33MUM331

LA33LUM323

LA33LUM324

Spare Parts of Limit Switches

Actuator

Code	Body Type	Actuator Type	End Unit Material	Features	Box/ Pcs
LD11MİP111	L1,L4	Angular Action Roller One Way	Plastic	Metal Sheet Construction	20
LD11MİM111	L1,L4	Angular Action Roller One Way	Metal	Metal Sheet Construction	20
LD22MİP211	L1,L2,L4	Angular Action Roller One Way	Plastic	Metal Construction	20
LD22MİM211	L1,L2,L4	Angular Action Roller One Way	Metal	Metal Construction	20
LD23MİP311	L1,L2,L3,L4	Angular Action Roller One Way	Plastic	Plastic Construction	20
LD23MİM311	L1,L2,L3,L4	Angular Action Roller One Way	Metal	Plastic Construction	20
LD23MİP411	L3	Angular Action Roller One Way	Plastic	Plastic Construction with Angle	20
LD23MİM411	L3	Angular Action Roller One Way	Metal	Plastic Construction with Angle	20
LD23MEP121	L1,L2,L3,L4	Angular Action Roller Two Way	Plastic	Plastic Construction - Rotating Arm	20
LD23MEM121	L1,L2,L3,L4	Angular Action Roller Two Way	Metal	Plastic Construction - Rotating Arm	20
LD23PUM211	L1,L2,L3,L4	Plunger	Metal	Plastic Construction	20
LD23MUM331	L1,L2,L3,L4	Linear Roller	Metal	Plastic Construction	20
LD23SOM101	L1,L2,L3	Spiral Lever	Metal	Plastic Construction - Multi Way	20
LD23SOM102	L1,L2,L3	Spiral Arm	Metal	Plastic Construction - Multi Way	20
LD23SOP101	L1,L2,L3	Spiral Arm	Plastic	Plastic Construction - Multi Way	20
LD23SOP102	L1,L2,L3	Spiral Arm	Plastic	Plastic Construction - Multi Way	20
LD23SOP103	L1,L2,L3	Spiral Arm	Plastic	Plastic Construction - Multi Way	20
LD23ROP101	L1,L2,L3	Rigid Rod	Plastic	Plastic Construction - Multi Way	20
LD23MEL121	L1,L2,L3	Angular Action Roller Two Way	Rubber	Plastic Construction - Rotating Arm	20
LD23MEP123	L2,L3	Angular Action Roller Two Way	Plastic	Plastic Construction - Rotating Arm	20
LD23MEM123	L2,L3	Angular Action Roller Two Way	Metal	Plastic Construction - Rotating Arm	20
LD33MIM311	L5	Angular Action Roller One Way	Metal	Plastic Construction with Angle	20
LD33MIP311	L5	Angular Action Roller One Way	Plastic	Plastic Construction with Angle	20
LD33MIP411	L5	Angular Action Roller One Way	Plastic	Plastic Construction with Angle	20
LD33MEP121	L5	Angular Action Roller Two Way	Plastic	Plastic Construction - Rotating Arm	20
LD33MEP122	L5	Angular Action Roller Two Way	Plastic	Plastic Construction - Rotating Arm	20
LD33MEP123	L5	Angular Action Roller Two Way	Plastic	Plastic Construction - Rotating Arm	20
LD33MEM122	L5	Angular Action Roller Two Way	Metal	Plastic Construction - Rotating Arm	20
LD33MEL121	L5	Angular Action Roller Two Way	Rubber	Plastic Construction - Rotating Arm	20
LD33MEL122	L5	Angular Action Roller Two Way	Rubber	Plastic Construction - Rotating Arm	20
LD33MEL123	L5	Angular Action Roller Two Way	Rubber	Plastic Construction - Rotating Arm	20
LD33MEL124	L5	Angular Action Roller Two Way	Rubber	Plastic Construction - Rotating Arm	20
LD33MUP331	L5	Linear Roller	Plastic	Plastic Construction	20
LD33MUM331	L5	Linear Roller	Metal	Plastic Construction	20
LD33CPDE	L5	Emergency Stop	Plastic	Plastic Construction	20
LD33CPA	L5	Button Adapter	-	-	20
LA33LUM320	L5,L51,L52,L53	Straight Key	Metal	-	20
LA33LUM321	L5,L51,L52,L53	Curved Key	Metal	-	20
LA33LUM323	L5,L51,L52,L53	Movable Security Key	Plastic	-	20
LA33LUM324	L5,L51,L52,L53	Movable Security Key	Plastic	-	20

LD51SOM102

LD51SOP102

LD51MEP121

LD51MİP311

LD51MUM331

LD51MEM124

Actuator

Code	Body Type	Actuator	End Unit Material	Features	Box/ Pcs
LD33SOM101	L5	Spiral Lever	Metal	Plastic Construction - Multi Way	20
LD33SOP101	L5	Spiral Lever	Plastic	Plastic Construction - Multi Way	20
LD33SOM102	L5	Spiral Arm	Metal	Plastic Construction - Multi Way	20
LD33SOP102	L5	Spiral Arm	Plastic	Plastic Construction - Multi Way	20
LD33LUM321	L5	Hinge	Metal	Metal Construction - Rotating Arm	20
LD33LUM322	L5	Hinge	Metal	Metal Construction - Rotating Arm	20
LD33LEM622	L5	Hinge	Metal	Metal Construction - Rotating Arm	20
LD33BEM621	L5	Rotational Tube	Hinge	Met. Construction-Rotational Tube	20
LD33REF121	L5	Rigid Rod	Fiber	Plastic Construction-Rotating Arm	20
LD51MİM311	L51, L52, L53	Angular Action Roller One Way	Metal	Metal Construction	20
LD51MİP211	L51, L52, L53	Angular Action Roller One Way	Plastic	Metal Construction	20
LD51MİP311	L51, L52, L53	Angular Action Roller Two Way	Plastic	Metal Construction - Rotating Arm	20
LD51MEP121	L51, L52, L53	Angular Action Roller Two Way	Plastic	Metal Construction - Rotating Arm	20
LD51MEM121	L51, L52, L53	Angular Action Roller Two Way	Metal	Metal Construction - Rotating Arm	20
LD51MEP123	L51, L52, L53	Angular Action Roller Two Way	Plastic	Metal Construction - Long Rotating Arm	20
LD51MEM123	L51, L52, L53	Angular Action Roller Two Way	Metal	Metal Construction - Long Rotating Arm	20
LD51MEM124	L51, L52, L53	Angular Action Roller Two Way	Metal	Metal Construction - Long Rotating Arm	20
LD51MEL121	L51, L52, L53	Angular Action Roller Two Way	Rubber	Plastic Construction-Rotating Arm	20
LD51MEL122	L51, L52, L53	Angular Action Roller Two Way	Rubber	Plastic Construction-Rotating Arm	20
LD51MUM331	L51, L52, L53	Plunger with Roll	Metal	Metal Construction	20
LD51SOP101	L51, L52, L53	Spiral Lever	Plastic	Metal Construction - Multi Way	20
LD51SOP102	L51, L52, L53	Spiral Arm	Plastic	Metal Construction - Multi Way	20
LD51SOM102	L51, L52, L53	Spiral Arm	Metal	Metal Construction - Multi Way	20

LD51MEM123

LD51MEP123

Contact Blocks

Code	Action Type	Contact Block	Plunger Types	Body Type	Box/Pcs
LK20K13*	Snap	1 NC + 1 NO	Short	L1, L2, L3, L5, L51, L52, L53	30
LK20K15	Snap	1 NC + 1 NO	Short	L1, L2, L3, L5, L51, L52, L53	30
LK20K23*	Slow	1 NC + 1 NO	Short	L1, L2, L3, L5, L51, L52, L53	30
LK20K25*	Slow	2 NC + 1 NO	Short	L1, L2, L3, L5, L51, L52, L53	30
LK20K27*	Slow	1 NC + 2 NO	Short	L1, L2, L3, L5, L51, L52, L53	30
LK20K29*	Slow	1 NC + 1 NO Overlap	Short	L1, L2, L3, L5, L51, L52, L53	30
LK10K13	Snap	1 NC + 1 NO	Short	L4, L1, L2	30
LK10K23	Slow	1 NC + 1 NO	Short	L4, L1, L2	30
LK11K13	Snap	1 NC + 1 NO	Long	L4, L1	30
LK11K23	Slow	1 NC + 1 NO	Long	L4, L1	30
LK20K12	Snap	1NC + 1 NC	Short	L1, L2, L3, L5, L51, L52, L53	30

LK20K13

LK20K25

Body (Housing)

Code	Body Type	Box/Pcs
L1K13	Aluminium	1
L2K13	Aluminium	1
L3K13	Plastic	1
L5K13	Plastic	1
L51K13	Metal	1
L52K13	Metal	1
L53K13	Metal	1

L5K13

L52K13

* Positive opening Function

Sensors

S Series Sensors

- Fast switching capacity
- Easy to install
- Work in harsh conditions
- Short circuit and overload protection
- Reverse polarity protection

Inductive Sensors (3 Wired)

SIM12FM1PC2

SIM18NM1PC2

SIM30FM1PC2

Code	Body Type	Voltage	Sensing Distance	Mounting	Switching Frequency	Connection	Output
SIM12FM1PC2	M12	10-30V DC	2 mm	Flush	800 Hz	Cable	PNP-NO
SIM12FM1RC2	M12	10-30V DC	2 mm	Flush	800 Hz	Cable	PNP-NC
SIM12FM1NC2	M12	10-30V DC	2 mm	Flush	800 Hz	Cable	NPN-NO
SIM12FM1OC2	M12	10-30V DC	2 mm	Flush	800 Hz	Cable	NPN-NC
SIM12NM1PC2	M12	10-30V DC	4 mm	Nonflush	400 Hz	Cable	PNP-NO
SIM12NM1RC2	M12	10-30V DC	4 mm	Nonflush	400 Hz	Cable	PNP-NC
SIM12NM1NC2	M12	10-30V DC	4 mm	Nonflush	400 Hz	Cable	NPN-NO
SIM12NM1OC2	M12	10-30V DC	4 mm	Nonflush	400 Hz	Cable	NPN-NC
SIM18FM1PC2	M18	10-30V DC	5 mm	Flush	800 Hz	Cable	PNP-NO
SIM18FM1RC2	M18	10-30V DC	5 mm	Flush	800 Hz	Cable	PNP-NC
SIM18FM1NC2	M18	10-30V DC	5 mm	Flush	800 Hz	Cable	NPN-NO
SIM18FM1OC2	M18	10-30V DC	5 mm	Flush	800 Hz	Cable	NPN-NC
SIM18NM1PC2	M18	10-30V DC	8 mm	Nonflush	400 Hz	Cable	PNP-NO
SIM18NM1RC2	M18	10-30V DC	8 mm	Nonflush	400 Hz	Cable	PNP-NC
SIM18NM1NC2	M18	10-30V DC	8 mm	Nonflush	400 Hz	Cable	NPN-NO
SIM18NM1OC2	M18	10-30V DC	8 mm	Nonflush	400 Hz	Cable	NPN-NC
SIM30FM1PC2	M30	10-30V DC	10 mm	Flush	400 Hz	Cable	PNP-NO
SIM30FM1RC2	M30	10-30V DC	10 mm	Flush	400 Hz	Cable	PNP-NC
SIM30FM1NC2	M30	10-30V DC	10 mm	Flush	400 Hz	Cable	NPN-NO
SIM30FM1OC2	M30	10-30V DC	10 mm	Flush	400 Hz	Cable	NPN-NC
SIM30NM1PC2	M30	10-30V DC	15 mm	Nonflush	200 Hz	Cable	PNP-NO
SIM30NM1RC2	M30	10-30V DC	15 mm	Nonflush	200 Hz	Cable	PNP-NC
SIM30NM1NC2	M30	10-30V DC	15 mm	Nonflush	200 Hz	Cable	NPN-NO
SIM30NM1OC2	M30	10-30V DC	15 mm	Nonflush	200 Hz	Cable	NPN-NC

Capacitive Sensors (3 Wired)

NEW

SCM18NP1NC2

SCM30NP1PC2

Code	Body Type	Voltage	Sensing Distance	Mounting	Switching Frequency	Connection	Output
SCM18NP1PC2	M18	10-30V DC	2-10 mm	Nonflush	Plastic	Cable	PNP-NO
SCM18NP1RC2	M18	10-30V DC	2-10 mm	Nonflush	Plastic	Cable	PNP-NO
SCM18NP1NC2	M18	10-30V DC	2-10 mm	Nonflush	Plastic	Cable	NPN-NA
SCM18NP1OC2	M18	10-30V DC	2-10 mm	Nonflush	Plastic	Cable	NPN-NC
SCM30NP1PC2	M30	10-30V DC	3-15 mm	Nonflush	Plastic	Cable	PNP-NO
SCM30NP1RC2	M30	10-30V DC	3-15 mm	Nonflush	Plastic	Cable	PNP-NC
SCM30NP1NC2	M30	10-30V DC	3-15 mm	Nonflush	Plastic	Cable	NPN-NO
SCM30NP1OC2	M30	10-30V DC	3-15 mm	Nonflush	Plastic	Cable	NPN-NC
SCM30NM1PC2	M30	10-30V DC	3-15 mm	Nonflush	Metal	Cable	PNP-NO
SCM30NM1RC2	M30	10-30V DC	3-15 mm	Nonflush	Metal	Cable	PNP-NC
SCM30NM1NC2	M30	10-30V DC	3-15 mm	Nonflush	Metal	Cable	NPN-NO
SCM30NM1OC2	M30	10-30V DC	3-15 mm	Nonflush	Metal	Cable	NPN-NC

Photoelectric Sensors (4 Wired)

SPM18DP4DC2

Code	Body Type	Voltage	Sensing Distancei	Mounting	Reaction Time	Connection	Output
SPM18DP4DC2	M18	10-30V DC	400 mm	Diffuse	2 ms	Wired Connection	PNP-1NC+1NO
SPM18DP4EC2	M18	10-30V DC	400 mm	Diffuse	2 ms	Wired Connection	NPN-1NC+1NO

Sensor Test Device

Sensor Tester

Code
Sensor Tester

A22

A11K

A11Y

Basic Switches

Basic Switches

MN1KİM1

MN1MİM2

MN1MUM3

MN1PUM9

MN2TİP11

MN2KİM2

MN2MİM1Y

MN2PUM9

MN3KİM1

MN3PUM9

MN4KİM2

MN4MUM3

MN4PUP1

MK1PUP1

MK1KİM1

MK1KİM5

MK1MİP3

MK1KİM31A

MN1 Series Mini Switch

Code	Contact Type	Actuator	Actuator Material	Box/Pcs
MN1KİM1	1 CO	Lever	Metal	10
MN1KİM2	1 CO	Lever	Metal	10
MN1KİM3	1 CO	Lever	Metal	10
MN1MİM1	1 CO	Roller Lever	Metal	10
MN1MİM1Y	1 CO	Roller Lever	Metal	10
MN1MİM2	1 CO	Roller Lever	Metal	10
MN1MUM3	1 CO	Roller Plunger	Metal	10
MN1MUM8	1 CO	Roller Plunger	Metal	10
MN1PUM1	1 CO	Plunger	Metal	10
MN1PUM3	1 CO	Plunger	Metal	10
MN1PUM7	1 CO	Plunger	Metal	10
MN1PUM9	1 CO	Plunger	Metal	10
MN1PUM9U	1 CO	Plunger	Metal	10
MN1YKAP		Protection cover		100

MN2 Series Mini Switch

Code	Contact Type	Actuator	Actuator Material	Box/Pcs
MN2TİP11	1 Start NO	Handle	Plastic	10
MN2TİP11Y*	1 Start NO	Handle	Plastic	10
MN2TİP12	1 CO	Handle	Plastic	10
MN2KİM1	1 CO	Lever	Metal	10
MN2KİM2	1 CO	Lever	Metal	10
MN2KİM3	1 CO	Lever	Metal	10
MN2MİM1	1 CO	Roller Lever	Metal	10
MN2MİM1Y	1 CO	Roller Lever	Metal	10
MN2MİM2	1 CO	Roller Lever	Metal	10
MN2MUM3	1 CO	Roller Plunger	Metal	10
MN2MUM8	1 CO	Roller Plunger	Metal	10
MN2PUM1	1 CO	Plunger	Metal	10
MN2PUM3	1 CO	Plunger	Metal	10
MN2PUM7	1 CO	Plunger	Metal	10
MN2PUM9	1 CO	Plunger	Metal	10

* Spring is hardened, press button is green

MN3 Series Mini Switch (Metal)

Code	Contact Type	Actuator	Actuator Material	Box/Pcs
MN3KİM1	1 CO	Lever	Metal	10
MN3KİM2	1 CO	Lever	Metal	10
MN3MİM1	1 CO	Roller Lever	Metal	10
MN3MİM2	1 CO	Roller Lever	Metal	10
MN3MUM3	1 CO	Roller Plunger	Metal	10
MN3PUM1	1 CO	Plunger	Metal	10
MN3PUM3	1 CO	Plunger	Metal	10
MN3PUM7	1 CO	Plunger	Metal	10
MN3PUM9	1 CO	Plunger	Metal	10

MN4 Series Mini Switch

Code	Contact Type	Actuator	Actuator Material	Box/Pcs
MN4KİM1	1 NC+1 NO	Lever	Metal	10
MN4KİM2	1 NC+1 NO	Lever	Metal	10
MN4KİM3	1 NC+1 NO	Lever	Metal	10
MN4MİM1	1 NC+1 NO	Roller Lever	Metal	10
MN4MİM1Y	1 NC+1 NO	Roller Lever	Metal	10
MN4MİM2	1 NC+1 NO	Roller Lever	Metal	10
MN4MUM3	1 NC+1 NO	Roller Plunger	Metal	10
MN4MUM8	1 NC+1 NO	Roller Plunger	Metal	10
MN4PUP1	1 NC+1 NO	Plunger	Plastic	10
MN4PUM7	1 NC+1 NO	Plunger	Metal	10
MN4PUM9	1 NC+1 NO	Plunger	Metal	10

Micro Switch

Code	Contact Type	Actuator	Actuator Material	Box/Pcs
MK1PUP1	1 CO	Plunger	Plastic	50
MK1PUP1Y	1 CO	Plunger	Soft Plastic	50
MK1KİM1	1 CO	Lever	Metal	50
MK1KİM2	1 CO	Lever	Metal	50
MK1KİM3	1 CO	Lever	Metal	50
MK1KİM31A	1 NC	Lever	Metal	50
MK1KİM4	1 CO	Lever	Metal	50
MK1KİM5	1 CO	Lever	Metal	40
MK1MİM1	1 CO	Roller Lever	Metal	40
MK1MİM2	1 CO	Roller Lever	Metal	40
MK1MİP1	1 CO	Roller Lever	Metal	50
MK1MİP2	1 CO	Roller Lever	Plastic	40
MK1MİP3	1 CO	Roller Lever	Plastic	40

Basic Switches

BS1022

BS1012

BS1010-E

BS1012-E

Button Switch

Code	Contact Type	Actuator	Actuator Material	Box/Pcs
BS1010	1 NO, Snap Action	Plunger	Plastic	20
BS1010-E	1 NO, Snap Action	Plunger	Plastic with Silicon Cover	16
BS1011	1 NC,Snap Action	Plunger	Plastic	20
BS1011-E	1 NC, Snap Action	Plunger	Plastic with Silicon Cover	16
BS1012	Double Circuit, Snap Action	Plunger	Plastic	20
BS1012-E	Double Circuit, Snap Action	Plunger	Plastic with Silicon Cover	16
BS1020	1 NO, Slow Action	Plunger	Plastic	20
BS1021	1 NC, Slow Action	Plunger	Plastic	20
BS1022	Double Circuit, Slow Action	Plunger	Plastic	20

MA111

MA121

MA111K

MAK

Toggle Switch

Code	Contact Type	Cable Connection	Actuator Material	Box/Pcs
MA111	1 NO, 1 NC	2 Screws	On-Off	10
MA111-L	1 NO, 1 NC	2 Soldering Terminals	On-Off	10
MA111T	1 NO, 1 NC	2 Terminals	On-Off	10
MA112	2 NO	3 Screws	On-On	10
MA113	2 NO, 1 NC	3 Screws	On-Off-On	8
MA121	2 NO, 2 NC	4 Screws	On-Off	6
MA122	4 NO	6 Screws	On-On	6
MA123	4 NO, 2 NC	6 Screws	On-Off	6
MAK (MA1 Protective Cover)	-	-	-	10
MA222	4 NO	6 Terminals	On-On	6
MA212	2 NO	3 Terminals	On-On	10

Note: For Toggle switch with cover preferences, please add "K" letter to end of the code

K25001T

K25011V

Medium Voltage Cell Switches

Code	Contact Type	Terminal Type	Box/Pcs
K25001T	2 NC, 1 NO	6 Terminals	10
K25001V	2 NC, 1 NO	6 Screws	10
K25011T	1 NC, 2 NO	6 Terminals	10
K25011V	1 NC, 2 NO	6 Screws	10

Z70

Z71

Z72

Z73

Elevator Door Switches

Code	Type	Box/Pcs
Z70	Plug	10
Z71	Socket Single Entry	16
Z72	Socket Double Entry	16
Z73	Plug	10
Z74	Socket Single Entry	10

Z74

A11

A22

A14K

EK2

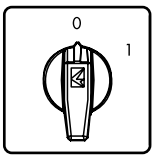
Illuminated Rocker Switch

Code	Housing Colour	Features	Contact Type	Label	Colour	Box/Pcs
A11*	Black	Illuminated	1NO	0-1	K S Y	50
A11H	Black		1NO	0-1	H	50
A12*	Black	Illuminated	1NO+1NO	0-1	K S Y	50
A12H	Black		1NO+1NO	0-1	H	50
A14*	Black	Illuminated	2NO	0-1	K S Y	50
A14H	Black		2NO	0-1	H	50
A21*	White	Illuminated	1NO	0-1	K S Y	50
A21H	White		1NO	0-1	H	50
A22*	White	Illuminated	1NO+1NO	0-1	K S Y	50
A22H	White		1NO+1NO	0-1	H	50
A24*	White	Illuminated	2NO	0-1	K S Y	50
A24H	White		2NO	0-1	H	50

Code	Type	Box/Pcs
EK2	Silicon Cover	100

*Please choose the colour and replace (*) with the letter.

Rotary Cam Switches

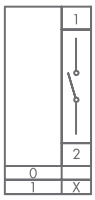


0-1 On-Off Cam Switches - 60°

PSA020AK131S

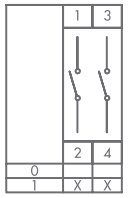
Code	Poles	Rated Thermal Current (A)	Enclosure	Key Operated	Quick Installation
PSA010AK131S	1 Pole	10	PSK11	√	√
PSA016AK131S	1 Pole	16	PSK11	√	√
PSA020AK131S	1 Pole	20	PSK11	√	√
PSA025AK131S	1 Pole	25	PSK11	√	√
PSA032AK131S	1 Pole	32	PSK21		
PSA040AK131S	1 Pole	40	PSK21		
PSA050AK131S	1 Pole	50	-		
PSA063AK131S	1 Pole	63	-		
PSA080AK131S	1 Pole	80	-		
PSA115AK131S	1 Pole	115	-		

Schema



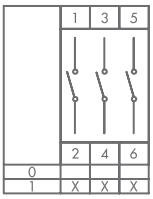
PSA020AK231S

PSA010AK231S	2 Poles	10	PSK11	√	√
PSA016AK231S	2 Poles	16	PSK11	√	√
PSA020AK231S	2 Poles	20	PSK11	√	√
PSA025AK231S	2 Poles	25	PSK11	√	√
PSA032AK231S	2 Poles	32	PSK21		
PSA040AK231S	2 Poles	40	PSK21		
PSA050AK231S	2 Poles	50	-		
PSA063AK231S	2 Poles	63	-		
PSA080AK231S	2 Poles	80	-		
PSA115AK231S	2 Poles	115	-		



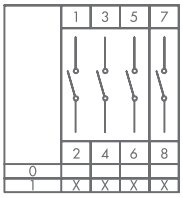
PSA020AK331S

PSA010AK331S	3 Poles	10	PSK11	√	√
PSA016AK331S	3 Poles	16	PSK11	√	√
PSA020AK331S	3 Poles	20	PSK11	√	√
PSA025AK331S	3 Poles	25	PSK11	√	√
PSA032AK331S	3 Poles	32	PSK21		
PSA040AK331S	3 Poles	40	PSK21		
PSA050AK331S	3 Poles	50	-		
PSA063AK331S	3 Poles	63	-		
PSA080AK331S	3 Poles	80	-		
PSA115AK331S	3 Poles	115	-		



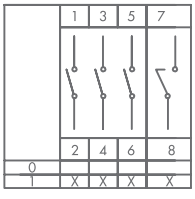
PSA020AK431S

PSA010AK431S	4 Poles	10	PSK11	√	√
PSA016AK431S	4 Poles	16	PSK11	√	√
PSA020AK431S	4 Poles	20	PSK11	√	√
PSA025AK431S	4 Poles	25	PSK11	√	√
PSA032AK431S	4 Poles	32	PSK21		
PSA040AK431S	4 Poles	40	PSK21		
PSA050AK431S	4 Poles	50	-		
PSA063AK431S	4 Poles	63	-		
PSA080AK431S	4 Poles	80	-		
PSA115AK431S	4 Poles	115	-		

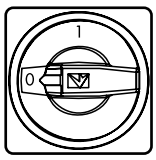


PSA020AK831S

PSA010AK831S	3 Poles + Neutral	10	PSK11	√	√
PSA016AK831S	3 Poles + Neutral	16	PSK11	√	√
PSA020AK831S	3 Poles + Neutral	20	PSK11	√	√
PSA025AK831S	3 Poles + Neutral	25	PSK11	√	√
PSA032AK831S	3 Poles + Neutral	32	PSK21		
PSA040AK831S	3 Poles + Neutral	40	PSK21		
PSA050AK831S	3 Poles + Neutral	50	-		
PSA063AK831S	3 Poles + Neutral	63	-		
PSA080AK831S	3 Poles + Neutral	80	-		
PSA115AK831S	3 Poles + Neutral	115	-		



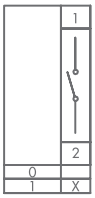
** Could be supplied with Red-Yellow head w/o extra charge, in this case please replace the "S" at the end with "E"*
** 10-25A Cam switches could be supplied with big frame (64x64) with extra charge. In this case please replace the "S" at the end with "B".*
** Products are in the Key Operated coloumns are available for quick instalation Key Head with extra charge. In this case, replace S letter at the end of the code with AQ.*
** Please replace S letter at the end of the code with K for Lockable Handle model.*
** Please replace "S" letter at the and of the code with "Q" letter for quick instalation model.*



0-1 Safety On-Off Cam Switches - 90°

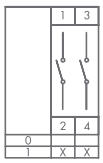
Code	Poles	Rated Thermal Current (A)	Enclosure	Key Operated	Quick Installation	Schema
PSA010AK141E	1 Pole	10	PSK11			
PSA016AK141E	1 Pole	16	PSK11			
PSA020AK141E	1 Pole	20	PSK11			
PSA025AK141E	1 Pole	25	PSK11			
PSA032AK141E	1 Pole	32	PSK21			
PSA040AK141E	1 Pole	40	PSK21			
PSA050AK141E	1 Pole	50	-			
PSA063AK141E	1 Pole	63	-			
PSA080AK141E	1 Pole	80	-			
PSA115AK141E	1 Pole	115	-			

PSA020AK141E



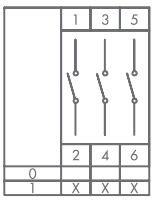
PSA010AK241E	2 Poles	10	PSK11			
PSA016AK241E	2 Poles	16	PSK11			
PSA020AK241E	2 Poles	20	PSK11			
PSA025AK241E	2 Poles	25	PSK11			
PSA032AK241E	2 Poles	32	PSK21			
PSA040AK241E	2 Poles	40	PSK21			
PSA050AK241E	2 Poles	50	-			
PSA063AK241E	2 Poles	63	-			
PSA080AK241E	2 Poles	80	-			
PSA115AK241E	2 Poles	115	-			

PSA020AK241E



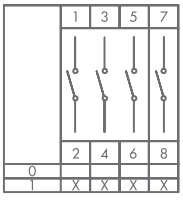
PSA010AK341E	3 Poles	10	PSK11			
PSA016AK341E	3 Poles	16	PSK11			
PSA020AK341E	3 Poles	20	PSK11			
PSA025AK341E	3 Poles	25	PSK11			
PSA032AK341E	3 Poles	32	PSK21			
PSA040AK341E	3 Poles	40	PSK21			
PSA050AK341E	3 Poles	50	-			
PSA063AK341E	3 Poles	63	-			
PSA080AK341E	3 Poles	80	-			
PSA115AK341E	3 Poles	115	-			

PSA020AK341E



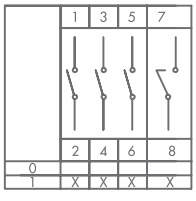
PSA010AK441E	4 Poles	10	PSK11			
PSA016AK441E	4 Poles	16	PSK11			
PSA020AK441E	4 Poles	20	PSK11			
PSA025AK441E	4 Poles	25	PSK11			
PSA032AK441E	4 Poles	32	PSK21			
PSA040AK441E	4 Poles	40	PSK21			
PSA050AK441E	4 Poles	50	-			
PSA063AK441E	4 Poles	63	-			
PSA080AK441E	4 Poles	80	-			
PSA115AK441E	4 Poles	115	-			

PSA020AK441E



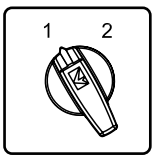
PSA010AK941E	3 Poles + Neutral	10	PSK11			
PSA016AK941E	3 Poles + Neutral	16	PSK11			
PSA020AK941E	3 Poles + Neutral	20	PSK11			
PSA025AK941E	3 Poles + Neutral	25	PSK11			
PSA032AK941E	3 Poles + Neutral	32	PSK21			
PSA040AK941E	3 Poles + Neutral	40	PSK21			
PSA050AK941E	3 Poles + Neutral	50	-			
PSA063AK941E	3 Poles + Neutral	63	-			
PSA080AK941E	3 Poles + Neutral	80	-			
PSA115AK941E	3 Poles + Neutral	115	-			

PSA020AK941E



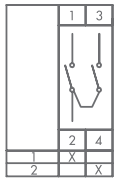
** Could be supplied with Red-Yellow head w/o extra charge, in this case please replace the "S" at the end with "E"*
** 10-25A Cam switches could be supplied with big frame (64x64) with extra charge. In this case please replace the "S" at the end with "B".*
** Products are in the Key Operated coloumns are available for quick instalation Key Head with extra charge. In this case, replace S letter at the end of the code with AQ.*
** Please replace S letter at the end of the code with K for Lockable Handle model.*
** Please replace "S" letter at the and of the code with "Q" letter for quick instalation model.*

1-2 Changeover Cam Switches - 60°



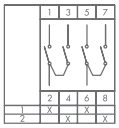
PSA020KD133S

Code	Poles	Rated Thermal Current (A)	Enclosure	Key Operated	Quick Installation	Schema
PSA010KD133S	1 Pole	10	PSK11		√	
PSA016KD133S	1 Pole	16	PSK11		√	
PSA020KD133S	1 Pole	20	PSK11		√	
PSA025KD133S	1 Pole	25	PSK11		√	
PSA032KD133S	1 Pole	32	PSK21			
PSA040KD133S	1 Pole	40	PSK21			
PSA050KD133S	1 Pole	50	-			
PSA063KD133S	1 Pole	63	-			
PSA080KD133S	1 Pole	80	-			
PSA115KD133S	1 Pole	115	-			

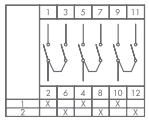


PSA020KD333S

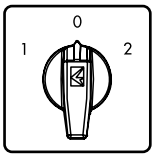
PSA010KD233S	2 Poles	10	PSK11		√	
PSA016KD233S	2 Poles	16	PSK11		√	
PSA020KD233S	2 Poles	20	PSK11		√	
PSA025KD233S	2 Poles	25	PSK11		√	
PSA032KD233S	2 Poles	32	-			
PSA040KD233S	2 Poles	40	-			
PSA050KD233S	2 Poles	50	-			
PSA063KD233S	2 Poles	63	-			
PSA080KD233S	2 Poles	80	-			



PSA010KD333S	3 Poles	10	PSK12		√	
PSA016KD333S	3 Poles	16	PSK12		√	
PSA020KD333S	3 Poles	20	PSK12		√	
PSA025KD333S	3 Poles	25	PSK12		√	
PSA032KD333S	3 Poles	32	-			
PSA040KD333S	3 Poles	40	-			
PSA050KD333S	3 Poles	50	-			
PSA063KD333S	3 Poles	63	-			
PSA080KD333S	3 Poles	80	-			

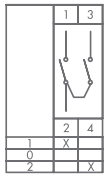


1-0-2 Changeover Cam Switches - 60°



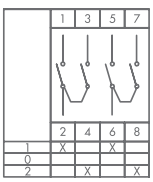
PSA020KD134S

Code	Poles	Rated Thermal Current (A)	Enclosure	Key Operated	Quick Installation	Schema
PSA010KD134S	1 Pole	10	PSK11	√	√	
PSA016KD134S	1 Pole	16	PSK11	√	√	
PSA020KD134S	1 Pole	20	PSK11	√	√	
PSA025KD134S	1 Pole	25	PSK11	√	√	
PSA032KD134S	1 Pole	32	PSK21			
PSA040KD134S	1 Pole	40	PSK21			
PSA050KD134S	1 Pole	50	-			
PSA063KD134S	1 Pole	63	-			
PSA080KD134S	1 Pole	80	-			
PSA115KD134S	1 Pole	115	-			



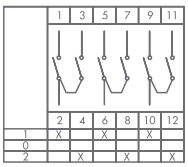
PSA020KD234S

PSA010KD234S	2 Poles	10	PSK11	√	√	
PSA016KD234S	2 Poles	16	PSK11	√	√	
PSA020KD234S	2 Poles	20	PSK11	√	√	
PSA025KD234S	2 Poles	25	PSK11	√	√	
PSA032KD234S	2 Poles	32	PSK21			
PSA040KD234S	2 Poles	40	PSK21			
PSA050KD234S	2 Poles	50	-			
PSA063KD234S	2 Poles	63	-			
PSA080KD234S	2 Poles	80	-			
PSA115KD234S	2 Poles	115	-			



PSA020KD334S

PSA010KD334S	3 Poles	10	PSK12	√	√	
PSA016KD334S	3 Poles	16	PSK12	√	√	
PSA020KD334S	3 Poles	20	PSK12	√	√	
PSA025KD334S	3 Poles	25	PSK12	√	√	
PSA032KD334S	3 Poles	32	PSK22			
PSA040KD334S	3 Poles	40	PSK22			
PSA050KD334S	3 Poles	50	-			
PSA063KD334S	3 Poles	63	-			
PSA080KD334S	3 Poles	80	-			
PSA115KD334S	3 Poles	115	-			



** Could be supplied with Red-Yellow head w/o extra charge, in this case please replace the "S" at the end with "E"*

** 10-25A Cam switches could be supplied with big frame (64x64) with extra charge. In this case please replace the "S" at the end with "B".*

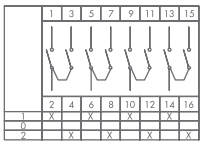
** Products are in the Key Operated coloumns are available for quick instalation Key Head with extra charge. In this case, replace S letter at the end of the code with AQ.*

** Please replace "S" letter at the and of the code with "Q" letter for quick instalation model.*

Rotary Cam Switches

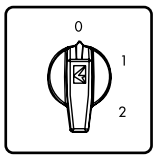
PSA020KD434S

Code	Poles	Rated Thermal Current (A)	Enclosure	Key Operated	Quick Installation	Schema
PSA010KD434S	4 Poles	10	PSK12	√	√	
PSA016KD434S	4 Poles	16	PSK12	√	√	
PSA020KD434S	4 Poles	20	PSK12	√	√	
PSA025KD434S	4 Poles	25	PSK12	√	√	
PSA032KD434S	4 Poles	32	PSK22			
PSA040KD434S	4 Poles	40	PSK22			
PSA050KD434S	4 Poles	50	-			
PSA063KD434S	4 Poles	63	-			
PSA080KD434S	4 Poles	80	-			
PSA115KD434S	4 Poles	115	-			

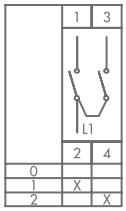


Step Cam Switches - 1 Pole

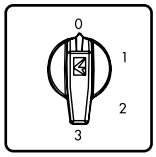
Code	Steps	Rated Thermal Current (A)	Enclosure	Key Operated	Quick Installation	Schema
PSA010KS132S	0-1-2	10	PSK11	√	√	
PSA016KS132S	0-1-2	16	PSK11	√	√	
PSA020KS132S	0-1-2	20	PSK11	√	√	
PSA025KS132S	0-1-2	25	PSK11	√	√	
PSA032KS132S	0-1-2	32	PSK21			
PSA040KS132S	0-1-2	40	PSK21			
PSA050KS132S	0-1-2	50	-			
PSA063KS132S	0-1-2	63	-			
PSA080KS132S	0-1-2	80	-			
PSA115KS132S	0-1-2	115	-			



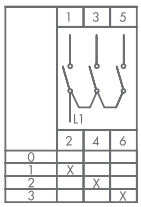
PSA020KS132S



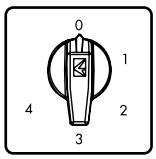
Code	Steps	Rated Thermal Current (A)	Enclosure	Key Operated	Quick Installation	Schema
PSA010KS133S	0-3	10	PSK11	√	√	
PSA016KS133S	0-3	16	PSK11	√	√	
PSA020KS133S	0-3	20	PSK11	√	√	
PSA025KS133S	0-3	25	PSK11	√	√	
PSA032KS133S	0-3	32	PSK21			
PSA040KS133S	0-3	40	PSK21			
PSA050KS133S	0-3	50	-			
PSA063KS133S	0-3	63	-			
PSA080KS133S	0-3	80	-			
PSA115KS133S	0-3	115	-			



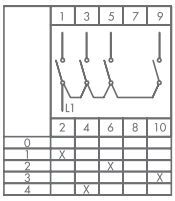
PSA020KS133S



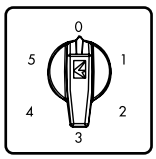
Code	Steps	Rated Thermal Current (A)	Enclosure	Key Operated	Quick Installation	Schema
PSA010KS134S	0-4	10	PSK12	√	√	
PSA016KS134S	0-4	16	PSK12	√	√	
PSA020KS134S	0-4	20	PSK12	√	√	
PSA025KS134S	0-4	25	PSK12	√	√	
PSA032KS134S	0-4	32	PSK22			
PSA040KS134S	0-4	40	PSK22			
PSA050KS134S	0-4	50	-			
PSA063KS134S	0-4	63	-			
PSA080KS134S	0-4	80	-			
PSA115KS134S	0-4	115	-			



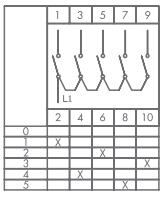
PSA020KS134S



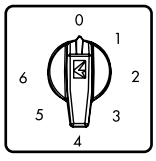
Code	Steps	Rated Thermal Current (A)	Enclosure	Key Operated	Quick Installation	Schema
PSA010KS135S	0-5	10	PSK12	√	√	
PSA016KS135S	0-5	16	PSK12	√	√	
PSA020KS135S	0-5	20	PSK12	√	√	
PSA025KS135S	0-5	25	PSK12	√	√	
PSA032KS135S	0-5	32	PSK22			
PSA040KS135S	0-5	40	PSK22			
PSA050KS135S	0-5	50	-			
PSA063KS135S	0-5	63	-			
PSA080KS135S	0-5	80	-			
PSA115KS135S	0-5	115	-			



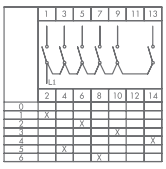
PSA020KS135S



Code	Steps	Rated Thermal Current (A)	Enclosure	Key Operated	Quick Installation	Schema
PSA010KS126S	0-6	10	PSK12		√	
PSA016KS126S	0-6	16	PSK12		√	
PSA020KS126S	0-6	20	PSK12		√	
PSA025KS126S	0-6	25	PSK12			
PSA032KS126S	0-6	32	PSK22			
PSA040KS126S	0-6	40	PSK22			
PSA050KS126S	0-6	50	-			
PSA063KS126S	0-6	63	-			
PSA080KS126S	0-6	80	-			



PSA020KS126S



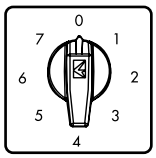
** Could be supplied with Red-Yellow head w/o extra charge, in this case please replace the "S" at the end with "E"*

** 10-25A Cam switches could be supplied with big frame (64x64) with extra charge. In this case please replace the "S" at the end with "B".*

** Products are in the Key Operated coloumns are available for quick instalation Key Head with extra charge. In this case, replace S letter at the end of the code with AQ.*

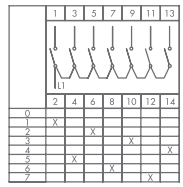
** Please replace "S" letter at the and of the code with "Q" letter for quick instalation model.*

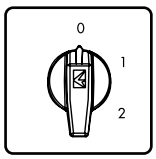
Rotary Cam Switches



PSA020KS127S

Code	Steps	Rated Thermal Current (A)	Enclosure	Key Operated	Quick Installation	Schema
PSA010KS127S	0-7	10	PSK12		√	
PSA016KS127S	0-7	16	PSK12		√	
PSA020KS127S	0-7	20	PSK12		√	
PSA025KS127S	0-7	25	PSK12		√	
PSA032KS127S	0-7	32	PSK22			
PSA040KS127S	0-7	40	PSK22			
PSA050KS127S	0-7	50	-			
PSA063KS127S	0-7	63	-			
PSA080KS127S	0-7	80	-			
PSA115KS127S	0-7	115	-			

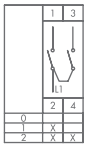


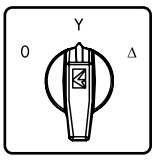


PSA020KT132S

Step Cam Switches- 60°

Code	Poles	Rated Thermal Current (A)	Steps	Enclosure	Key Operated	Quick Installation	Schema
PSA010KT132S	1 Pole	10	0-1-2	PSK11	√	√	
PSA016KT132S	1 Pole	16	0-1-2	PSK11	√	√	
PSA020KT132S	1 Pole	20	0-1-2	PSK11	√	√	
PSA025KT132S	1 Pole	25	0-1-2	PSK11	√	√	
PSA010KT332S	3 Poles	10	0-1-2	PSK12	√		
PSA016KT332S	3 Poles	16	0-1-2	PSK12	√		

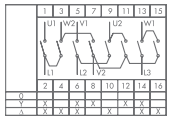


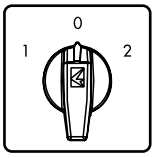


PSA020MS335S

Star-Delta Cam Switches- 60°

Code	Steps	Rated Thermal Current (A)	Enclosure	Key Operated	Quick Installation	Schema
PSA010MS335S	3 Phase	10	PSK12	√	√	
PSA016MS335S	3 Phase	16	PSK12	√	√	
PSA020MS335S	3 Phase	20	PSK12	√	√	
PSA025MS335S	3 Phase	25	PSK12	√	√	
PSA032MS335S	3 Phase	32	PSK22			
PSA040MS335S	3 Phase	40	PSK22			
PSA050MS335S	3 Phase	50	-			
PSA063MS335S	3 Phase	63	-			
PSA080MS335S	3 Phase	80	-			
PSA115MS335S	3 Phase	115	-			

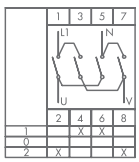


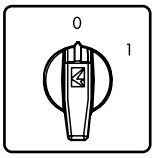


PSA020MS134S

Motor Control Cam Switches- 60°

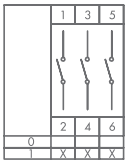
Code	Poles	Rated Thermal Current (A)	Steps	Enclosure	Key Operated	Quick Installation	Schema
PSA010MS134S	1 Phase	10	1-0-2	PSK11	√	√	
PSA016MS134S	1 Phase	16	1-0-2	PSK11	√	√	
PSA020MS134S	1 Phase	20	1-0-2	PSK11	√	√	
PSA025MS134S	1 Phase	25	1-0-2	PSK11	√	√	
PSA032MS134S	1 Phase	32	1-0-2	PSK21			
PSA040MS134S	1 Phase	40	1-0-2	PSK21			
PSA050MS134S	1 Phase	50		-			
PSA063MS134S	1 Phase	63		-			
PSA080MS134S	1 Phase	80		-			
PSA115MS134S	1 Phase	115		-			



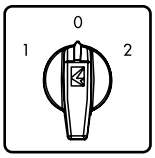


PSA020MS331S

Code	Poles	Rated Thermal Current (A)	Steps	Enclosure	Key Operated	Quick Installation	Schema
PSA010MS331S	3 Phase	10	0-1	PSK11	√	√	
PSA016MS331S	3 Phase	16	0-1	PSK11	√	√	
PSA020MS331S	3 Phase	20	0-1	PSK11	√	√	
PSA025MS331S	3 Phase	25	0-1	PSK11	√	√	
PSA032MS331S	3 Phase	32	0-1	PSK21			
PSA040MS331S	3 Phase	40	0-1	PSK21			
PSA050MS331S	3 Phase	50		-			
PSA063MS331S	3 Phase	63		-			
PSA080MS331S	3 Phase	80		-			
PSA115MS331S	3 Phase	115		-			

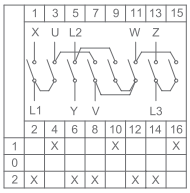


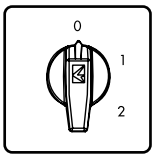
** Could be supplied with Red-Yellow head w/o extra charge, in this case please replace the "S" at the end with "E"*
** 10-25A Cam switches could be supplied with big frame (64x64) with extra charge. In this case please replace the "S" at the end with "B".*
** Products are in the Key Operated coloumns are available for quick instalation Key Head with extra charge. In this case, replace S letter at the end of the code with AQ.*
** Please replace "S" letter at the and of the code with "Q" letter for quick instalation model.*



PSA020MS334S

Code	Poles	Rated Thermal Current (A)	Steps	Enclosure	Key Operated	Quick Installation	Schema
PSA010MS334S	3 Phase	10	1-0-2	PSK12	√	√	
PSA016MS334S	3 Phase	16	1-0-2	PSK12	√	√	
PSA020MS334S	3 Phase	20	1-0-2	PSK12	√	√	
PSA025MS334S	3 Phase	25	1-0-2	PSK12	√	√	
PSA032MS334S	3 Phase	32	1-0-2	PSK22			
PSA040MS334S	3 Phase	40	1-0-2	PSK22			
PSA050MS334S	3 Phase	50	1-0-2	-			
PSA063MS334S	3 Phase	63	1-0-2	-			
PSA080MS334S	3 Phase	80	1-0-2	-			
PSA115MS334S	3 Phase	115	1-0-2	-			

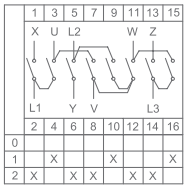


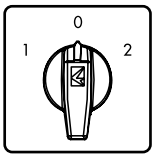


PSA016CD332S

3 Phase Double Cycle Motor Control Cam Switches (0-1-2)

Code	Steps	Rated Thermal Current (A)	Enclosure	Key Operated	Quick Installation	Schema
PSA010CD332S	3 Phase	10 A	PSK12	√	√	
PSA016CD332S	3 Phase	16 A	PSK12	√	√	
PSA020CD332S	3 Phase	20 A	PSK12	√	√	
PSA025CD332S	3 Phase	25 A	PSK12	√	√	
PSA032CD332S	3 Phase	32 A	PSK22			
PSA040CD332S	3 Phase	40 A	PSK22			
PSA050CD332S	3 Phase	50 A	-			
PSA063CD332S	3 Phase	63 A	-			
PSA080CD332S	3 Phase	80 A	-			
PSA115CD332S	3 Phase	115 A	-			

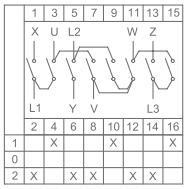




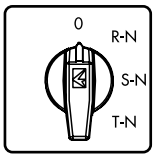
PSA016CD334S

3 Phase Double Cycle Motor Control Cam Switches (1-0-2)

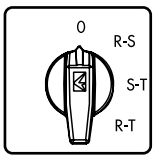
Code	Steps	Rated Thermal Current (A)	Enclosure	Key Operated	Quick Installation	Schema
PSA010CD334S	3 Phase	10 A	PSK12	√	√	
PSA016CD334S	3 Phase	16 A	PSK12	√	√	
PSA020CD334S	3 Phase	20 A	PSK12	√	√	
PSA025CD334S	3 Phase	25 A	PSK12	√	√	
PSA032CD334S	3 Phase	32 A	PSK22			
PSA040CD334S	3 Phase	40 A	PSK22			
PSA050CD334S	3 Phase	50 A	-			
PSA063CD334S	3 Phase	63 A	-			
PSA080CD334S	3 Phase	80 A	-			
PSA115CD334S	3 Phase	115 A	-			



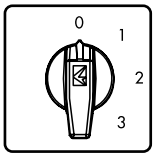
** Could be supplied with Red-Yellow head w/o extra charge, in this case please replace the "S" at the end with "E"*
** 10-25A Cam switches could be supplied with big frame (64x64) with extra charge. In this case please replace the "S" at the end with "B".*
** Products are in the Key Operated coloumns are available for quick instalation Key Head with extra charge. In this case, replace S letter at the end of the code with AQ.*
** Please replace "S" letter at the and of the code with "Q" letter for quick instalation model.*



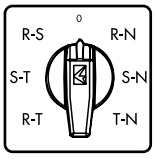
PSA0200K421S



PSA0200K422S



PSA0200K426S



PSA0200K723S

PSR1

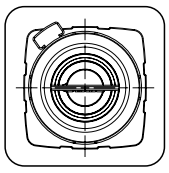
PSR2

PSK11

PSK21

PSK12

PSK22



PSA020AK131AQ

NEW

PSA010KD134Q

PSA020AK131K

Measuring Cam Switches - 45°

Code	Type	Rated Thermal Current (A)	Position	Enclosure	Key Operated	Quick Installation	Schema
PSA0100K421S	4	10	Voltmeter	PSK11		√	
PSA0160K421S	4	16	Voltmeter	PSK11		√	
PSA0200K421S	4	20	Voltmeter	PSK11		√	
PSA0100K422S	4	10	Phase - Phase Voltmeter	PSK11		√	
PSA0160K422S	4	16	Phase - Phase Voltmeter	PSK11		√	
PSA0200K422S	4	20	Phase - Phase Voltmeter	PSK11		√	
PSA0100K426S	4	10	Ampermeter	PSK12		√	
PSA0160K426S	4	16	Ampermeter	PSK12		√	
PSA0200K426S	4	20	Ampermeter	PSK12		√	
PSA0100K723S	7	20	Voltmeter	PSK12		√	
PSA0160K723S	7	20	Voltmeter	PSK12		√	
PSA0200K723S	7	20	Voltmeter	PSK12		√	

** Please replace "S" letter at the and of the code with "Q" letter for quick instalation model.*

Accessories

Code	Type	Features	Material
PSR1	Rail Mounting Interface	Between 10 - 40 A	Plastic
PSR2	Rail Mounting Interface	Between 50 - 63 A	Plastic

Cam Switch Boxes

Code	Material	Features
PSK11	Plastic	IP54
PSK12	Plastic	IP54
PSK21	Plastic	IP54
PSK22	Plastic	IP54
PSK11E	Plastic	IP65
PSK12E	Plastic	IP65
PSK21E	Plastic	IP65
PSK22E	Plastic	IP65

Industrial Plugs & Sockets

EBP05FU30

EBP05PU30

EBP05PU36

EBP05PE41

NEW

EBA05TK

Multipole Plastic Connectors

5 Poles,10 A (PG 11)

Code	Type	Entry	Handle	Box/Pcs
EB005CF00	Male Insert			100
EB005CP00	Female Insert			100
EBP05GU30*	Hood	Top		50
EBP05GM41*	Hood for bulkhead mounting	Bottom	√	50
EBP05GE41*	Hood for bulkhead mounting	Bottom	√	50
EBP05FU30*	Hood with male insert	Top		50
EBP05PU30*	Hood with female insert	Top		50
EBP05PM41*	Bulkhead mounting, female insert	Bottom	√	50
EBP05FE41*	Sloped hood with male insert	Bottom	√	50
EBP05PE41*	Sloped hood with female insert	Bottom	√	50
EBP05PU31*	Hood with female insert	Top	√	50
EBA05TK	Cap			50

Product is Grey colour. Please add H to end of the code in order to change the colour to Black.
For Metal Handle, replace 1 at the end with 6.

Multipole Metal Connectors

EBM05FU30

EBM05PU30

EBM05PU36

EBM05PE41

NEW

EBA05TK

5 Poles, 10 A (PG 11)

Code	Type	Entry	Handle	Box/Pcs
EB005CF00	Male Insert			100
EB005CP00	Female Insert			100
EBM05GU30	Hood	Top		50
EBM05GU36	Hood	Top	√	50
EBM05GM46	Hood for bulkhead mounting	Bottom	√	50
EBM05GE46	Sloped hood	Bottom	√	50
EBM05FU10	Hood with male insert	Top		50
EBM05FU30	Hood with male insert	Side		50
EBM05PU30	Hood with female insert	Top		50
EBM05PU36	Hood with female insert	Top	√	50
EBM05PM46	Bulkhead mounting, Housing with female insert	Bottom	√	50
EBM05FE46	Sloped hood with male insert	Bottom	√	50
EBM05PE46	Sloped hood with female insert	Bottom	√	50
EBM05PU10	Hood with female insert	Side		50
EBM05PE56	Sloped hood with female insert	Bottom+ Side	√	50
EBA05TK	Cap			50

For Plastic handle models, replace “1” instead of “6”.

EBM06FU30

EBM06FM42

EBM06PU32

EBM06PU30

NEW

EBA06TK

6 Poles, 16 A (PG 16)

Code	Type	Entry	Handle	Box/Pcs
EB006CF00	Male Insert			50
EB006CP00	Female Insert			50
EBM06GU10	Hood	Side		20
EBM06GU30	Hood	Top		20
EBM06GU32	Hood	Top	√	15
EBM06GM42	Hood for bulkhead mounting	Bottom	√	20
EBM06FU10	Hood with male insert	Side		20
EBM06FU30	Hood with male insert	Top		20
EBM06PU10	Hood with female insert	Side		20
EBM06PU30	Hood with female insert	Top		20
EBM06PU32	Hood with female insert	Top	√	20
EBM06FM42	Bulkhead mounting, Housing with Male Insert	Bottom	√	20
EBM06PM42	Bulkhead mounting, Housing with Female Insert	Bottom	√	20
EBM06FD12	Surface mounting, Housing with Male Insert	Side	√	15
EBM06PD12	Surface mounting, Housing with Female Insert	Side	√	15
EBA06TK	Cap			50

* For Metal Handle, replace “2” at the end with “6”

EBM10PU10

EBM10PU30

EBM10FD24

EBM10PM44

EBM10PM47

EBM10PD27

EBA10TK

EB016CP00

EB016CF00

EBM16FU10

EBM16FM44

EBM16PD14

EBM16FD24

EBA24TK

EBA16TK

EB024CP00

EB024CF00

EBM24FU10

EBM24PU10

EBM24FD24

EBM24PM44

10 Poles, 16 A (PG 16)

Code	Type	Option	Entry	Handle
EB010CF00	Male Insert			
EB010CP00	Female Insert			
EBM10GU10	Hood		Side	
EBM10GU30	Hood	**	Top	
EBM10GU34*	Hood		Top	√
EBM10GM44*	Hood for bulkhead mounting		Bottom	√
EBM10GD14*	Surface Mounting Head		Side	√
EBM10GD24*	Surface Mounting Head		Both Side	√
EBM10FU10	Hood with male insert	**	Side	
EBM10FU30	Hood with male insert		Top	
EBM10PU10	Hood with female insert	**	Side	
EBM10PU14	Hood with female insert		Side	
EBM10PU30	Hood with female insert		Top	
EBM10PU34*	Hood with female insert		Top	√
EBM10FM44*	Bulkhead Mounting, Housing with Male Insert		Bottom	√
EBM10PM44*	Bulkhead Mounting, Housing with Female Insert		Bottom	√
EBM10FD14*	Surface mounting, Housing with Male Insert		Side	√
EBM10FD24*	Surface mounting, Housing with Male Insert		Both Side	√
EBM10PD14*	Surface mounting, Housing with Female Insert		Side	√
EBM10PD24*	Surface mounting, Housing with Female Insert	**	Both Side	√
EBM10PD27	Surface mounting, Housing with female insert		Both Side	√
EBA10TK	Cap			

* For Metal Handle, replace “4” at the end with “7”. Standart PG16, please add PG21 to the end of the code in order to order PG21 hole.

16 Poles, 16 A (PG 21)

Code	Type	Entry	Handle
EB016CF00	Male Insert		
EB016CP00	Female Insert		
EBM16GU10	Hood	Side	
EBM16GU30	Hood	Top	
EBM16GU34*	Hood	Top	√
EBM16GM44*	Hood for bulkhead mounting	Bottom	√
EBM16GD14*	Surface mounting hood	Side	√
EBM16GD24*	Surface mounting hood	Both Side	√
EBM16FU10	Hood with male insert	Side	
EBM16FU30	Hood with male insert	Top	
EBM16PU10	Hood with female insert	Side	
EBM16PU30	Hood with female insert	Top	
EBM16PU34*	Hood with female insert	Top	√
EBM16FM44*	Bulkhead Mounting, Housing with Male Insert	Bottom	√
EBM16PM44*	Bulkhead Mounting, Housing with Female Insert	Bottom	√
EBM16FD14*	Surface mounting, Housing with Male Insert	Side	√
EBM16FD24*	Surface mounting, Housing with Male Insert	Both Side	√
EBM16PD14*	Surface mounting, Housing with Female Insert	Side	√
EBM16PD24*	Surface mounting, Housing with Female Insert	Both Side	√
EBM16PD27	Surface mounting, Housing with female insert	Bottom	√
EBM16TABAN	Base		
EBA16TK	Cap		

* For Metal Handle, replace “4” at the end with “7”.

24 Poles, 16 A (PG 21)

Code	Type	Entry	Handle
EB024CF00	Male Insert		
EB024CP00	Female Insert		
EBM24GU10	Hood	Side	
EBM24GU30	Hood	Top	
EBM24GU34*	Hood	Top	√
EBM24GM44*	Hood for bulkhead mounting	Bottom	√
EBM24GD14*	Surface mounting hood	Side	√
EBM24GD24*	Surface mounting hood	Both Side	√
EBM24FU10	Hood with male insert	Side	√
EBM24FU30	Hood with male insert	Top	
EBM24PU10	Hood with female insert	Side	
EBM24PU30	Hood with female insert	Top	
EBM24PU34*	Hood with female insert	Top	√
EBM24FM44*	Bulkhead Mounting, Housing with Male Insert	Bottom	√
EBM24PM44*	Bulkhead Mounting, Housing with Female Insert	Bottom	√
EBM24PM47	Bulkhead mounting, Housing with female insert	Bottom	√
EBM24FD14*	Surface mounting, Housing with Male Insert	Side	√
EBM24FD24*	Surface mounting, Housing with Male Insert	Both Side	√
EBM24PD14*	Surface mounting, Housing with Female Insert	Side	√
EBM24PD24*	Surface mounting, Housing with Female Insert	Both Side	√
EBA24TK	Cap		

* For Metal Handle, replace “4” at the end with “7”.

EBM32FU10

EBM32PU10

EBM32PM44

EBM32FM44

EBA48TK

EBA32TK

EBM48PU10

EBM48FU10

EBM48FU30

EBM48PM44

EB0606CP00

EB0606CF00

EBM606FU10

EBM606PD14

EBA16TK

EBM612PU10

EBM612PM44

EBA32TK

32 Poles, 16 A (PG 21)

Code	Type	Opsiyon	Entry	Handle
EB016CF00	Male Insert (1-16)			
EB016CP00	Female Insert (1-16)			
EB032CF00	Male Insert (17-32)			
EB032CP00	Female Insert (17-32)			
EBM32GU10	Hood	**	Side	
EBM32GU30	Hood	**	Top	
EBM32GM44*	Hood for bulkhead mounting		Bottom	√
EBM32FU10	Hood with male insert	**	Side	
EBM32FU30	Hood with male insert	**	Top	
EBM32PU10	Hood with female insert	**	Side	
EBM32PU30	Hood with female insert	**	Top	
EBM32FM44*	Bulkhead Mounting, Housing with Male Insert		Bottom	√
EBM32PM44*	Bulkhead Mounting, Housing with Female Insert		Bottom	√
EBM32PU14	Hood with female insert		Side	√
EBM32PU34	Hood with female insert		Top	
EBM32TABAN	Base			
EBA32TK	Cap			

* For Metal Handle, replace “4” at the end with “8”. Standart PG21, please add PG29 to the end of the code in order to order PG29 hole.

48 Poles, 16 A (PG 29)

Code	Type	Entry	Handle
EB024CF00	Male Insert (1-24)		
EB024CP00	Female Insert (1-24)		
EB048CF00	Male Insert (25-48)		
EB048CP00	Female Insert (25-48)		
EBM48GU10	Hood	Side	
EBM48GU30	Hood	Top	
EBM48GM44*	Hood for bulkhead mounting	Bottom	
EBM48FU10	Hood with male insert	Side	
EBM48FU30	Hood with male insert	Top	
EBM48PU10	Hood with female insert	Side	
EBM48PU30	Hood with female insert	Top	
EBM48FM44*	Bulkhead Mounting, Housing with Male Insert	Bottom	√
EBM48PM44*	Bulkhead Mounting, Housing with Female Insert	Bottom	√
EBM48PU14	Hood with female insert	Side	√
EBM48PU34	Hood with female insert	Top	√
EBM48TABAN	Base		
EBA48TK	Cap		

* For Metal Handle, replace “4” at the end with “8”.

6 Poles, 35 A (PG 21)

Code	Type	Entry	Handle
EB0606CF00	Male Insert		
EB0606CP00	Female Insert		
EBM606FU10	Hood with male insert	Side	
EBM606FU30	Hood with male insert	Top	
EBM606PU10	Hood with female insert	Side	
EBM606PU30	Hood with female insert	Top	
EBM606PU34*	Hood with female insert	Top	√
EBM606FM44*	Bulkhead Mounting, Housing with Male Insert	Bottom	√
EBM606PM44*	Bulkhead Mounting, Housing with Female Insert	Bottom	√
EBM606FD14*	Surface mounting, Housing with Male Insert	Side	√
EBM606FD24*	Surface mounting, Housing with Male Insert	Both Side	√
EBM606PD14*	Surface mounting, Housing with Female Insert	Side	√
EBM606PD24*	Surface mounting, Housing with Female Insert	Both Side	√
EBA16TK	Cap		

* For Metal Handle, replace “4” at the end with “7”.

12 Poles, 35 A (PG 21)

Code	Type	Entry	Handle
EB0606CF00	Male Insert (1-6)		
EB0606CP00	Female Insert (1-6)		
EB0612CF00	Male Insert (7-12)		
EB0612CP00	Female Insert (7-12)		
EBM612FU10	Hood with male insert	Side	
EBM612FU30	Hood with male insert	Top	
EBM612PU10	Hood with female insert	Side	
EBM612PU30	Hood with female insert	Top	
EBM612FM44*	Bulkhead Mounting, Housing with Male Insert	Bottom	√
EBM612PM44*	Bulkhead Mounting, Housing with Female Insert	Bottom	√
EBA32TK	Cap		

* For Metal Handle, replace “4” at the end with “8”.

EB0806CF00

EB0806CP00

EBM806FU10

EBM806PD14

EBA16TK

6 Poles (4 x 80A + 2 x 16A) (PG21)

Code	Type	Entry	Handle
EB0806CF00	Male Insert		
EB0806CP00	Female Insert		
EBM806FU10	Hood with male insert	Side	
EBM806FU30	Hood with male insert	Top	√
EBM806FM44	Bulkhead mounting, housing with male insert with 4 roller handle	Bottom	√
EBM806FD14	Surface mounting, housing with male insert	Side	
EBM806FD24	Surface mounting, housing with male insert	Both Side	√
EBM806PM44	Bulkhead mounting, housing with female insert with 4 roller handle	Bottom	
EBM806PU10	Hood with female insert	Side	
EBM806PU30	Hood with female insert	Top	
EBM806PD14	Surface mounting, housing with male insert	Side	
EBM806PD24	Surface mounting, housing with female insert	Both Side	
EBA16TK	Cap		

* For Metal Handle, replace “4” at the end with “7”.

EBM812FU30

EBM812PM44

EBA32TK

12 Poles, 2 x (4 x 80A + 2 x 16A) (PG 21)

Code	Type	Entry	Handle
EB0806CF00	Male Insert (1-6)		
EB0806CP00	Female Insert (1-6)		
EB0812CF00	Male Insert (7-12)		
EB0812CP00	Female Insert (7-12)		
EBM812FU10	Hood with male insert	Side	
EBM812FU30	Hood with male insert	Top	√
EBM812FM44	Bulkhead Mounting, Housing with Male Insert with 4 Roller Handle	Bottom	√
EBM812PM44	Bulkhead Mounting, Housing with Female Insert with 4 Roller Handle	Bottom	
EBM812PU10	Hood with male insert	Side	
EBM812PU30	Hood with female insert	Top	
EBA32TK	Cap		

* For Metal Handle, replace “4” at the end with “7”.

EBMKE

EBMKD

Accessories

Code	Features
EBMKD	Marking Pin - Female
EBMKE	Marking Pin - Male

EPREU1M

EPRUS1H

Panel Type Sockets

Code	Features	Colour	Box/pcs
EPREU1M	European Schuko Type 1		30
EPRUS1H	American, Type1		30
EPREU2G	Rail Types		10
EPREU2GL	Rail Types, with LED		10

EKS116P

Rubber Type Plugs & Sockets

Code	Type	Features
EKS116F	Plug	1 x 16 A
EKS116P	Socket	1 x 16 A
EKS116PG1	Wall Socket	1 x 16 A
EKS116PG3	Group Socket - 3 Way	3x (1 x 16 A)
EKS325F	Plug	3 x 25 A
EKS325P	Socket	3 x 25 A
EKS325PGP30	Group Socket - 3 Way	3 x (3 x 25) A
EKS325PG21	Group Socket - 3 Way	2 x (3x25) A + 1 (1x16) A
EKS325PG12	Group Socket - 3 Way	1 x (3x25) A + 2 (1x16) A

EKS116PG3

EKS325F

EKS116F

EPREU2G

EPREU2GL

EKS116PG1

Signaling Devices

IK Series

Light Towers can be purchased as complete or modularly. Mounting system is easy and plug and turn system without any mounting equipment.

COMPLETE LIGHT TOWER Dia 50 mm (with 100 mm Aluminium connection, body and Lamps)

LED	LED Flasher	Single Level Buzzer
IK51 L * X M 03	IK51 F * X M 03	IK50X*ZM03
IK52 L * X M 03	IK52 F * X M 03	
IK53 L * X M 03	IK53 F * X M 03	
IK54 L * X M 03	IK54 F * X M 03	
IK55 L * X M 03	IK55 F * X M 03	

Ø 50 mm

COMPLETE LIGHT TOWER Dia 70 mm (100 mm Plastic connection, body and Lamps)

LED	LED Flasher	Single Level Buzzer
IK71 L * X M 01	IK71 F * X M 01	IK70X*ZM01
IK72 L * X M 01	IK72 F * X M 01	
IK73 L * X M 01	IK73 F * X M 01	
IK74 L * X M 01	IK74 F * X M 01	
IK75 L * X M 01	IK75 F * X M 01	

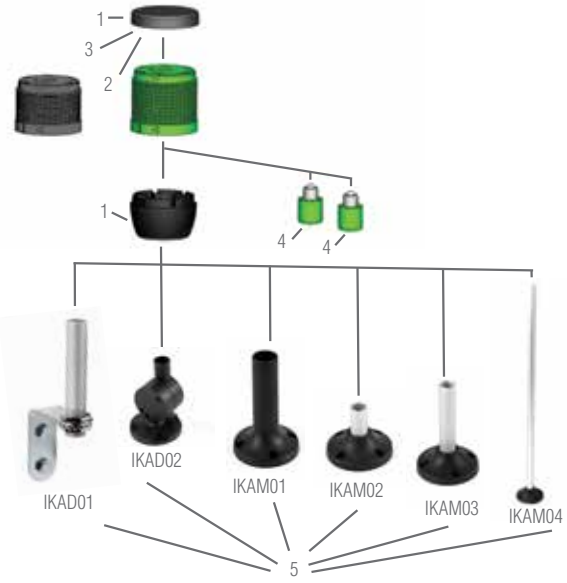
Ø 70 mm

*Shows the voltage of the lamp. When is written “024”, it means that it is 24V AC/DC, when it is written “220”, it means that it is 220VACType
*** Shows the connection type. Please check the connection Modules Part for detail. “X” is replaced with “Z” for Buzzer with extra charge.
For IP65 please add E letter to the end of the code

MODULES

Each Light Tower consists of below components.

1. Body and Cover
2. Signal Modules (5 Colour)
3. Buzzer module
4. LED, Flashing LED
5. Connection



1-Body and Cover	1-Body and Cover
IKM 5 G Dia 50 mm	IKM 7 G Dia 70 mm

* Maximum up to 5 modules can be mounted

2- Signal Modules Heat resistant polycarbonate material	2- Signal Modules Heat resistant polycarbonate material
IKM 5 50 mm	IKM 7 70 mm

3- Buzzer Modules	3- Buzzer Modules
IKM 5Z 024 50 mm / 90 dB	IKM 7Z 024 70 mm / 90 dB
IKM 5Z 220 50 mm / 90 dB	IKM 7Z 220 70 mm / 90 dB

LAMPS

4	with LED		with Flashing LED	
24V AC/DC	IKM L 024	K	IKM F 024	K
	IKM L 024	Y	IKM F 024	Y
	IKM L 024	S	IKM F 024	S
	IKM L 024	M	IKM F 024	M
	IKM L 024	B	IKM F 024	B
220 VAC	IKM L 220	K	IKM F 220	K
	IKM L 220	Y	IKM F 220	Y
	IKM L 220	S	IKM F 220	S
	IKM L 220	M	IKM F 220	M
	IKM L 220	B	IKM F 220	B

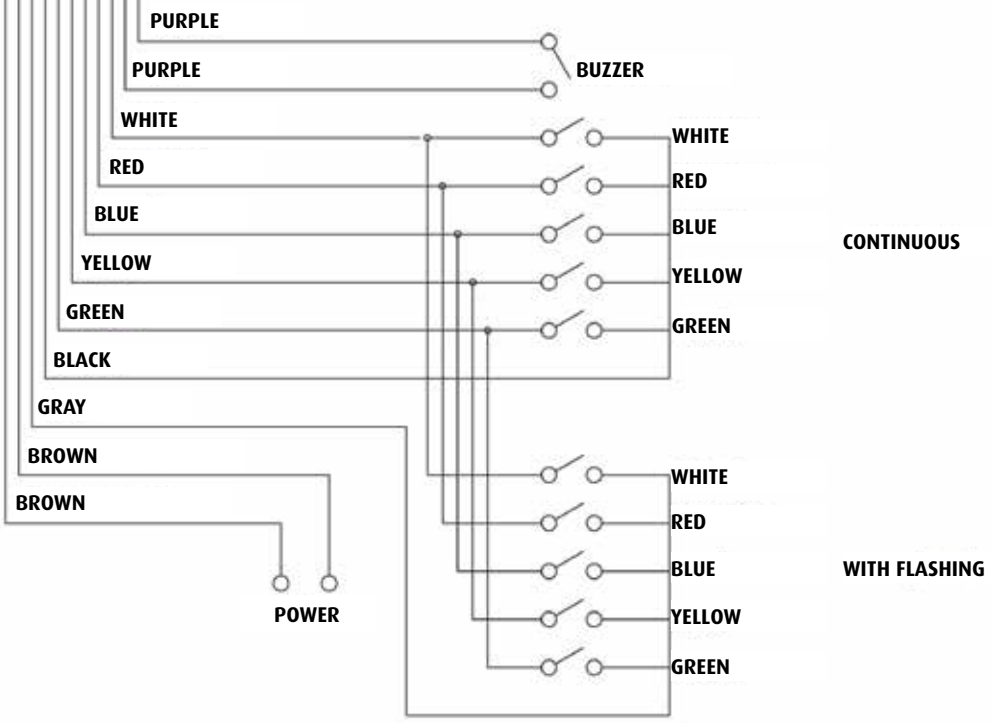
Note. One lamp should be added for each Signal module.

5-Connection	
IKA M 01	100 mm Plastic base (Standard for Dia.70 mm, not appliciable for Dia 50)
IKA M 02	20 mm Aluminium base
IKA M 03	100 mm Aluminium base (Standart for Dia 50 mm)
IKA M 04	500 mm Aluminium base
IKA D 01	Wall Connection, 100 mm Aluminium
IKA D 02	Adjustable wall elbow
IKA B 10	10 cm Aluminium pipe

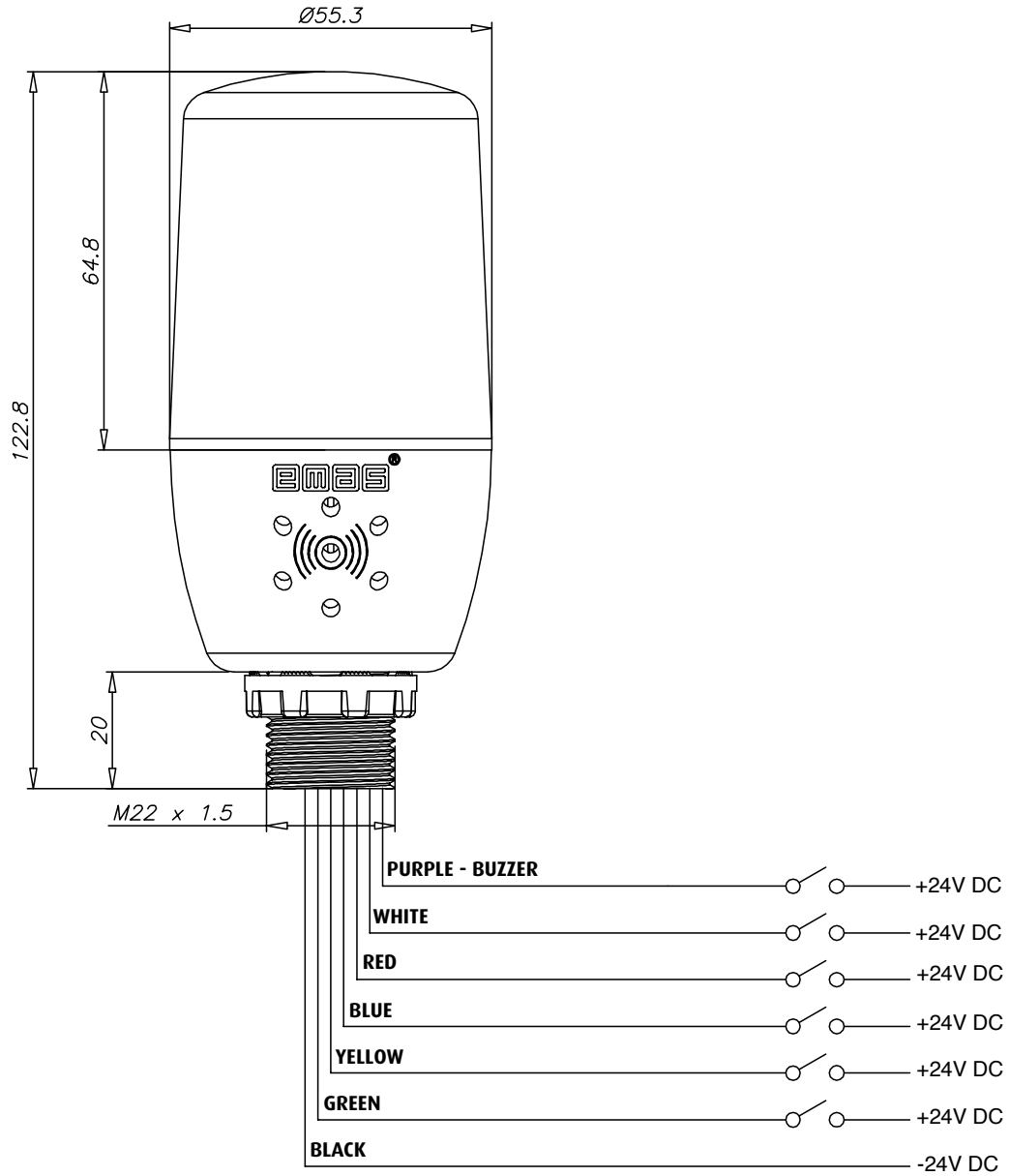
IF Series (Multi-Function Light Tower) with Ø 22 mm connection

IF Series

- Single body, multi colour
- Ø22 mm Connection
- Flashing and normal LED mode available in same module.
- 90 dB Buzzer



IF5P (Suitable for PLC)



IKAM06

IFAB01

Code	Illumination	Features	Nominal Voltage	Box/Pcs
IF5M024ZM05	LED	with Buzzer	24V AC/DC	1
IF5M220ZM05	LED	with Buzzer	220V AC	1
IF5M024XM05	LED	-	24V AC/DC	1
IF5M220XM05	LED	-	220V AC	1
IF5*024XM05	LED	Single Colour	24V AC/DC	1
IF5*024ZM05	LED	Single Colour with Buzzer	24V AC/DC	1
IF5P024XM05	LED	PLC Harmonized	24V DC	1
IF5P024ZM05	LED	PLC Harmonized + with Buzzer	24V DC	1
IFAB01		Pipe Adaptation Part		1
IKAM06		20mm Aluminium with Base (usable with IFAB01)		1

Note:In case of your base demand, please choose metal bases from page 48. Should be used with IFAB01
*Single Colour

R G Y B W R: Red, G: Green, Y: Yellow, B: Blue, W: White

NEW

IT Series

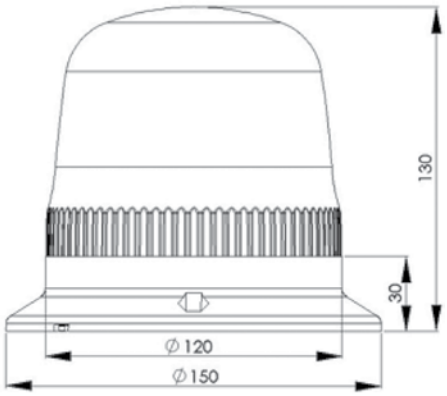
Beacon

General Specification;

- Fireproof plastic body
- Polycarbonate lens
- Base and wall-mount
- It is unaffected by water, dust, heat and UV rays.
- Wear-free thanks to the absence of any moving mechanical components
- Long life
- 8 Different signal effect

Technical Specification;

- Operating Voltage: 12-24V AC/DC, 220V AC
- Current consumption: 3,4W (*at 24 V DC by rotating mode*)
- Operating temperature: -20 / +50 C°
- Storage temperature: -20 / +70 C°



	MODE name	:	1	2	3	4
	Rotation 100 RPM	:	↑	↑	↑	X
	One Flash	:	↑	↑	↓	X
	Three Flash	:	↑	↓	↑	X
	Six Flash	:	↑	↓	↓	X
	Blink	:	↓	↑	↑	X
	Continuous Flash*	:	↓	↑	↓	X
	Right-Left Flash	:	↓	↓	↑	X
	Rotation 160 RPM	:	↓	↓	↓	X

X = Don't ignore
↑ = Up
↓ = Down

* In 220V AC models, this mode is off

Code	Light	Colour	Voltage
IT120R024	Led		12-24V AC/DC
IT120Y024	Led		12-24V AC/DC
IT120R220	Led		220V AC
IT120Y220	Led		220V AC

Motor Protection Circuit Breakers

Thermic & Magnetic Protection

MKS1TM-0.40

Code	Current Calibration Interval (A)	Fuse Selection Table (A)				Switching Capacity (kA)				Box/Pcs
		230V	400V	500V	690V	230V	400V	500V	690V	
MKS1TM-0.16	0.10 - 0.16	-	-	-	-	100	100	100	100	1
MKS1TM-0.25	0.16 - 0.25	-	-	-	-	100	100	100	100	1
MKS1TM-0.40	0.25 - 0.40	-	-	-	-	100	100	100	100	1
MKS1TM-0.63	0.40 - 0.63	-	-	-	-	100	100	100	100	1
MKS1TM-1	0.63 -1.00	-	-	-	-	100	100	100	100	1
MKS1TM-1.6	1.00 - 1.60	-	-	-	-	6	6	3	2,5	1
MKS1TM-2.5	1.60 - 2.50	-	-	25	20	6	6	3	2,5	1
MKS1TM-4	2.50 - 4.00	-	-	35	25	6	6	3	2,5	1
MKS1TM-6.3	4.00 - 6.30	-	-	50	35	6	6	2,5	2	1
MKS1TM-10	6.30 - 10.0	-	80	50	35	6	6	2,5	2	1
MKS1TM-16	10.0 -16.0	80	80	63	35	6	6	2,5	2	1
MKS1TM-20	16.0 - 20.0	80	80	63	50	6	6	2,5	2	1
MKS1TM-25	20.0 - 25.0	80	80	63	50	6	6	2,5	2	1

Thermic & Magnetic Protection Boxes

MKS1-K

MKS-Box Type

Code	Current Calibration Interval (A)	Mounting	Button Case	Box/Pcs
MKS1TMK-0.16	0.10 - 0.16	Surface	Silicon Cover	1
MKS1TMK-0.25	0.16 - 0.25	Surface	Silicon Cover	1
MKS1TMK-0.40	0.25 - 0.40	Surface	Silicon Cover	1
MKS1TMK-0.63	0.40 - 0.63	Surface	Silicon Cover	1
MKS1TMK-1	0.63 -1.00	Surface	Silicon Cover	1
MKS1TMK-1.6	1.00 - 1.60	Surface	Silicon Cover	1
MKS1TMK-2.5	1.60 - 2.50	Surface	Silicon Cover	1
MKS1TMK-4	2.50 - 4.00	Surface	Silicon Cover	1
MKS1TMK-6.3	4.00 - 6.30	Surface	Silicon Cover	1
MKS1TMK-10	6.30 - 10.0	Surface	Silicon Cover	1
MKS1TMK-16	10.0 -16.0	Surface	Silicon Cover	1
MKS1TMK-20	16.0 - 20.0	Surface	Silicon Cover	1
MKS1TMK-25	20.0 - 25.0	Surface	Silicon Cover	1

MKS1-KES

MKS1-YKD00

MKS1-DGR-5

Accessories

Code	Type	Features	Box/Pcs
MKS1-K	MKS Box	Empty	1
MKS1-KE	MKS Box	With Emergency Stop Button	1
MKS1-KES	MKS Box	With Emergency Stop Button and Signal	1
MKS1-YKD00	Auxiliary Contact	2 NC	4
MKS1-YKD01	Auxiliary Contact	1 NO + 1 NC	4
MKS1-YKD11	Auxiliary Contact	2 NO	4
MKS1-DGR-5	Undervoltage Release	220V	1
MKS1-DGR-6	Undervoltage Release	400V	1
MKS1-AR-5	Shunt Release	220V	1
MKS1-AR-6	Shunt Release	400V	1

Thermic Protection

TSP-0.32

TSP-with Box

Code	Current Calibration Interval (A)	Mounting	Protection	Box/Pcs
TSP-0.32	0.18 - 0.32	Surface	Silicon Cover	1
TSP-0.55	0.30 - 0.55	Surface	Silicon Cover	1
TSP-0.70	0.40 - 0.70	Surface	Silicon Cover	1
TSP-1.00	0.60 - 1.00	Surface	Silicon Cover	1
TSP-1.60	0.90 - 1.60	Surface	Silicon Cover	1
TSP-2.50	1.50 - 2.50	Surface	Silicon Cover	1
TSP-3.50	2.40 - 3.50	Surface	Silicon Cover	1
TSP-5.50	3.20 - 5.50	Surface	Silicon Cover	1
TSP-8.50	5.00 - 8.50	Surface	Silicon Cover	1
TSP-13.0	8.00 - 13.00	Surface	Silicon Cover	1
TSP-16.0	11.00 - 16.00	Surface	Silicon Cover	1

TSG-0.32

TSG

Code	Current Calibration Interval (A)	Mounting	Protection	Box/Pcs
TSG-0.32	0.18 - 0.32	Flush	Silicon Cover	1
TSG-0.55	0.30 - 0.55	Flush	Silicon Cover	1
TSG-0.70	0.40 - 0.70	Flush	Silicon Cover	1
TSG-1.00	0.60 - 1.00	Flush	Silicon Cover	1
TSG-1.60	0.90 - 1.60	Flush	Silicon Cover	1
TSG-2.50	1.50 - 2.50	Flush	Silicon Cover	1
TSG-3.50	2.40 - 3.50	Flush	Silicon Cover	1
TSG-5.50	3.20 - 5.50	Flush	Silicon Cover	1
TSG-8.50	5.00 - 8.50	Flush	Silicon Cover	1
TSG-13.0	8.00 - 13.00	Flush	Silicon Cover	1
TSG-16.0	11.00 - 16.00	Flush	Silicon Cover	1

Level Control Float Switches

SKF

Cobra

Code	Poles	Cable Length (m)
SKF-0.5	1	0,50
SKF	1	1,75
SKF-3	1	3
SKF-5	1	5
SKF-10	1	10
SKF-15	1	15
SKF-20	1	20
SKF-35	1	35

SKF1A

Bulb

Code	Poles	Cable Length (m)
SKF1A-1*	1	1
SKF1A*	1	1,75
SKF1A-3*	1	3
SKF1A-5*	1	5
SKF1A-10*	1	10
SKF1A-15*	1	15
SKF1A-20*	1	20
SKF1A-30*	1	30

* For Neoprene cable, please add “N” letter to end of the code (Please ask prices)

SK5P

Switch Actuated

Code	Remote Control	Copper Float
SK5P	√	
SK5B		√

HNYY11

HJ11A09UG

Contactors

HN0901NU

HN1301NU

HN40NU

HN65NU

HN Series Contactors

Code	Rated Current (A) 380V AC3	Rated Thermal Current (A) Ith	Auxiliary Contacts	Power (kW)			Box/Pcs
				220-240V	380-415V	660V	
HN0901N*	9	20	1 NC	2,2	4	4,5	1
HN0910N*	9	20	1 NO	2,2	4	4,5	1
HN1301N*	13	20	1 NC	3,2	6	6,5	1
HN1310N*	13	20	1 NO	3,2	6	6,5	1
HN1701N*	17	30	1 NC	4	7,5	8,5	1
HN1710N*	17	30	1 NO	4	7,5	8,5	1
HN2501N*	25	30	1 NC	6	11	12,5	1
HN2510N*	25	30	1 NO	6	11	12,5	1
HN33N*	33	45		7,5	15	18,5	1
HN40N*	40	45		11	22	30	1
HN46N*	46	60		15	22	25	1
HN55N*	55	65		17	30	33	1
HN65N*	65	80		18,5	35	45	1

HNMK1

HNYU22

HNYYB11

Accessories

Code	Features	Contact Block	Box/Pcs
HNMK1	9-13 A Mechanical Interlock		1
HNYU04	9-65 A Auxiliary Contact Block	4 NC	1
HNYU40	9-65 A Auxiliary Contact Block	4 NO	1
HNYU13	9-65 A Auxiliary Contact Block	1 NO + 3 NC	1
HNYU31	9-65 A Auxiliary Contact Block	3 NO + 1 NC	1
HNYU22	9-65 A Auxiliary Contact Block	2 NO + 2 NC	1
HNYU20	9-65 A Auxiliary Contact Block	2 NO	1
HNYU02	9-65 A Auxiliary Contact Block	2 NC	1
HNYU11	9-65 A Auxiliary Contact Block	1 NO + 1 NC	1
HNYYB11	17-65 A Auxiliary Contact Block	1 NO + 1 NC	4

Contactor Coil

Code	Features	Box/Pcs
IH13*	HN09-HN13	1
IH25*	HN17-HN40	1

IH13U

* For Voltage selection, please use below codes.

Code	Voltage
B	440V / 50 HZ
C	366V / 50 HZ
D	110-115V / 50-60 HZ
F	24V / 50-60 HZ
G	48V / 50HZ
G1	42V / 50HZ
U	220-230V / 50-60 HZ
W	380-400V / 50-60 HZ
X	220-240V / 50 HZ
Z	480-500V / 50 HZ

Thermal Relay

JA25A

Code	Current Calibration Interval (A)	Box/Pcs
JA25A	0.15 - 0.25	1
JA25B	0.22 - 0.33	1
JA25C	0.30 - 0.45	1
JA25D	0.42 - 0.63	1
JA25E	0.60 - 0.90	1
JA25F	0.85 - 1.27	1
JA25G	1.20 - 1.75	1
JA25H	1.70 - 2.60	1
JA25I	2.50 - 3.70	1
JA25L	3.60 - 5.40	1
JA25M	5.30 - 7.50	1
JA25N	7.30 - 10.2	1
JA250	10.0 -15.0	1
JA25P	13.5 - 20.0	1
JA25Q	18.0 - 26.0	1

Direct Starters with Contactor and Thermal Relay

HJ12X09UB

HJ12- HJ22 with Box

Code	Type	Current Calibration Interval (A)	Contactor Rated Current (A) 380V	Power (kW) 380 - 415V	Box Size
HJ12X09UA	Box with Start and Reset Buttons	0.15 - 0.25	9	0,06	2.
HJ12X09UB*	Box with Start and Reset Buttons	0.22 - 0.33	9	0,09	2.
HJ12X09UC*	Box with Start and Reset Buttons	0.30 - 0.45	9	0,12	2.
HJ12X09UD*	Box with Start and Reset Buttons	0.42 - 0.63	9	0,15	2.
HJ12X09UE*	Box with Start and Reset Buttons	0.60 - 0.90	9	0,24	2.
HJ12X09UF*	Box with Start and Reset Buttons	0.85 - 1.27	9	0,37	2.
HJ12X09UG*	Box with Start and Reset Buttons	1.20 - 1.75	9	0,55	2.
HJ12X09UH*	Box with Start and Reset Buttons	1.70 - 2.60	9	1,1	2.
HJ12X09UI*	Box with Start and Reset Buttons	2.50 - 3.70	9	1,5	2.
HJ12X09UL*	Box with Start and Reset Buttons	3.60 - 5.40	9	2,2	2.
HJ12X09UM*	Box with Start and Reset Buttons	5.30 - 7.50	9	3	2.
HJ12X13UN	Box with Start and Reset Buttons	7.30 -10.2	13	4	2.
HJ22X17UO*	Box with Start and Reset Buttons	10.0 - 15.0	17	5,5	4.
HJ22X25UP*	Box with Start and Reset Buttons	13.5 - 20.0	25	7,5	4.
HJ22X25UQ*	Box with Start and Reset Buttons	18.0 - 26.0	25	11	4.

* If you require Signal included in the box, you can put “S” to end of the code. In that case, S100NK’s Signal price will be added.

HJ11A09UG

HJ11- HJ 21 with Box

Code	Type	Current Calibration Interval (A)	Contactor Rated Current (A) 380V	Power (kW) 380 - 415V	Box Size
HJ11A09UG	with illuminated on-off switch + with reset button + with 10 mm Signal lamp	1.20 - 1.75	9	0.55	1.
HJ11A09UH		1.70 - 2.60	9	1.10	1.
HJ11A09UI		2.50 - 3.70	9	1.50	1.
HJ11A09UL		3.60 - 5.40	9	2.20	1.
HJ11A09UM		5.30 - 7.50	9	3.00	1.
HJ11A13UN		7.30 -10.2	13	4.00	1.
HJ21A17UO		10.0 - 15.0	17	5,50	3.
HJ21A25UP		13.5 - 20.0	25	7,50	3.
HJ21A25UQ		18.0 - 26.0	25	11.00	3.

Empty Box

Code	Type	Box/Pcs
HJ11	1. Size	1
HJ12	2. Size	1
HJ21	3. Size	1
HJ22	4. Size	1

Industrial Relays & Sockets

RE1P08DC024

Industrial Relays

Code	Number of Pins	Coil Voltage	Number of Contacts	Box/Pcs
RE1P08AC012	8 pins	12V AC	2	25
RE1P08AC024	8 pins	24V AC	2	25
RE1P08AC048	8 pins	48V AC	2	25
RE1P08AC110	8 pins	110V AC	2	25
RE1P08AC220	8 pins	230V AC	2	25
RE1P08DC012	8 pins	12V DC	2	25
RE1P08DC024	8 pins	24V DC	2	25
RE1P08DC048	8 pins	48V DC	2	25
RE1P08DC110	8 pins	110V DC	2	25
RE1P11AC012	11 pins	12V AC	3	25
RE1P11AC024	11 pins	24V AC	3	25
RE1P11ACD48	11 pins	48V AC	3	25
RE1P11AC110	11 pins	110V AC	3	25
RE1P11AC220	11 pins	230V AC	3	25
RE1P11DC012	11 pins	12V DC	3	25
RE1P11DC024	11 pins	24V DC	3	25
RE1P11DC048	11 pins	48V DC	3	25
RE1P11DC110	11 pins	110V DC	3	25

RS1P08G1

Relay Sockets

Code	Number of Pins	Colour*	Box/Pcs
RS1P08*1	8 pins	M H G	10
RS1P11*1	11 pins	M H G	10

*Colour; M: Blue, H: Black, G: Grey

SSS5X

SSRP1DB012

RR3VP01

RZ3A1A60S3

RR3MP4FP

RR3MP1N

NEW

RR3ZTS30

Electronic Products

SSR Solid State Relays

SSRP1DB040

SSRP1DA025

Code	Control Voltage	Mounting	Phase	Load Voltage Range	Max Load Current	Box/Pcs
SSRP1DA012	4 - 32 VDC	Base Mount	1 Phase	24-320V AC	12A	1
SSRP1DA025	4 - 32 VDC	Base Mount	1 Phase	24-320V AC	25A	1
SSRP1DA040	4 - 32 VDC	Base Mount	1 Phase	24-320V AC	40A	1
SSRP1DB012	4 - 32 VDC	Base Mount	1 Phase	50-480V AC	12A	1
SSRP1DB025	4 - 32 VDC	Base Mount	1 Phase	50-480V AC	25A	1
SSRP1DB040	4 - 32 VDC	Base Mount	1 Phase	50-480V AC	40A	1
SSRP1DC050	4 - 32 VDC	Base Mount	1 Phase	50-640V AC	50A	1
SSRP1DC070	4 - 32 VDC	Base Mount	1 Phase	50-640V AC	70A	1
SSRP1DC100	4 - 32 VDC	Base Mount	1 Phase	50-640V AC	100A	1
SSRP1DC120	4 - 32 VDC	Base Mount	1 Phase	50-640V AC	120A	1

Solid State Heat Sink

SSS1X

SSS5X

SSS5F

Code	Installation	Dimension	Feature	Box/Pcs
SSS1X	DIN, Rail Type	45 x 75 mm	W/O Fan	1
SSS2X	DIN, Rail Type	45 x 100 mm	W/O Fan	1
SSS2F	DIN, Rail Type	45 x 100 mm	With Fan	1
SSS5X	DIN, Rail Type	100 x 100 mm	W/O Fan	1
SSS5F	DIN, Rail Type	100 x 100 mm	With Fan	1

DIN Rail Type Electronic Relays

Time Relays

RR3ZTS30

Code	Operating Voltage	Time Range	Function F1	F2	F3	F4	Control Output	Box/Pcs
RR3ZTC01	24 VDC/VAC-220VAC	0,06 sec. - 30 hour	√	√	√	√	1 Changeover Relay 10A/250V AC	10
RR3ZTC02*		0,6 sec. - 10 hour			√*	√*	1 Changeover Relay 10A/250V AC	10
RR3ZTS30		0,1-30 sec.adj	√				1 Changeover Relay 10A/250V AC	10
RR3ZTS60		0,1-60 sec.adj	√				1 Changeover Relay 10A/250V AC	10

F1.Delay ON Function / F2. Delay OFF Function / F3. ON Flasher Function / F4. OFF Flasher Function / F5. Bypass
*In this model on-off times are seperately adjustable.

Voltage Protection

RR3VP01

Code	Operating Voltage	Time Delay Adjustment	Over Voltage Protection Level	Under Voltage Protection Level	Phase Sequence & Phase Loss Protection	Control Output	Box/Pcs
RR3VP01	220 VAC	0,1 - 20 sec. Adj	230-300 VAC adjustable	150-210 VAC adjustable		1 Changeover Relay 10A/250VAC	10
RR3VP02					Threephase	1 Changeover Relay 10A/250VAC	10

Liquid Level Control

RR3LL01

Code	Operating Voltage	Elektrode	Adjustment Sensitivity(kΩ)	Control Output	Box/Pcs
RR3LL01	220 VAC	base,bottom,top	2 - 50	1 Changeover Relay 10A/250VAC	10

Photocell Relay

RR3FR01

Code	Operating Voltage	Lux Scale	Time delay	Control	Protection	Control Output	Box/Pcs
RR3FR01	220 VAC	1-10 LUX	25s-40s	Automatic	-	1 change over Relay 10A/250V AC	10
RR3FR02		1-10 LUX	25s-40s	Automatic or Manual	Fuse	1 change over Relay 10A/250V AC	10

Motor Protection

RR3MP1N

RR3MP4FP

Code	Operating Voltage	Voltage Asymmetry	Phase Loss / Phase sequence		Thermal Protection	Control Output	Box/Pcs
RR3MP1N	220V AC	%20	√			1 Changeover Relay 10A/250VAC	10
RR3MP2N		%40	√			1 Changeover Relay 10A/250VAC	10
RR3MP2F		%40	√	√		1 Changeover Relay 10A/250VAC	10
RR3MP2FP		%40	√	√	√	1 Changeover Relay 10A/250VAC	10
RR3MP3F		%10-30	√	√		1 Changeover Relay 10A/250VAC	10
RR3MP4F		%5-15	√	√		1 Changeover Relay 10A/250VAC	10
RR3MP4FP		%5-15	√	√	√	1 Changeover Relay 10A/250VAC	10

Star Delta Relay

Code	Operating Voltage	Time Range	Function	Control Output	Box/Pcs
RR3YU01	220V AC	Star:3-30s, Star->Delta:50-500m	Star Delta	2NO relay 10A/250VAC	10
RR3YU02		Star:3-30s,Star-Delta:50-500ms, Right-Left:0.6s-5min	Star Delta & Right Left Relay	2NO relay 10A/250VAC	10

RZ3A1A60S3

Analog Time Relays

Analog Time Relays 22 mm

Code	Function	Time Range	Operating Voltage	Number of Contact	Box/Pcs
RZ3A1A30S3	Delay On	0,1-30 sec	10-30V DC	Transistor Output	1
RZ3A1A60S3	Delay On	0,1-60 sec	10-30V DC	Transistor Output	1

RZ3A1A30S3

Analog Time Relays

Single Relay

RZ1A1A12S-25

Code	Function Type	Time Range	Operating Voltage	Number of Contacts	Box/Pcs
RZ1A1A03*-1	Delay On	0.3 - 3 sec/m	12V AC/DC	1 Changeover Contact	1
RZ1A1A03*-25	Delay On	0.3 - 3 sec/m	24V AC/DC - 220V AC	1 Changeover Contact	1
RZ1A1A06*-1	Delay On	0.6 - 6 sec/m	12V AC/DC	1 Changeover Contact	1
RZ1A1A06*-25	Delay On	0.6 - 6 sec/m	24V AC/DC - 220V AC	1 Changeover Contact	1
RZ1A1A12*-1	Delay On	1.2 - 12 sec/m	12V AC/DC	1 Changeover Contact	1
RZ1A1A12*-25	Delay On	1.2 -12 sec/m	24V AC/DC - 220V AC	1 Changeover Contact	1
RZ1A1A30*-1	Delay On	3 - 30 sec/m	12V AC/DC	1 Changeover Contact	1
RZ1A1A30*-25	Delay On	3 - 30 sec/m	24V AC/DC - 220V AC	1 Changeover Contact	1
RZ1A1A60S-1	Delay On	6 - 60 sec/m	12V AC/DC	1 Changeover Contact	1
RZ1A1A60S-25	Delay On	6 - 60 sec/m	24V AC/DC - 220V AC	1 Changeover Contact	1
RZ1A1B03*-1	Delay Off	0.3 - 3 sec/m	12V AC/DC	1 Changeover Contact	1
RZ1A1B03*-25	Delay Off	0.3 - 3 sec/m	24V AC/DC - 220V AC	1 Changeover Contact	1
RZ1A1B06*-1	Delay Off	0.6 - 6 sec/m	12V AC/DC	1 Changeover Contact	1
RZ1A1B06*-25	Delay Off	0.6 - 6 sec/m	24V AC/DC - 220V AC	1 Changeover Contact	1
RZ1A1B12*-1	Delay Off	1.2 -12 sec/m	12V AC/DC	1 Changeover Contact	1
RZ1A1B12*-25	Delay Off	1.2 - 12 sec/m	24V AC/DC - 220V AC	1 Changeover Contact	1
RZ1A1B30*-1	Delay Off	3 - 30 sec/m	12V AC/DC	1 Changeover Contact	1
RZ1A1B30*-25	Delay Off	3 - 30 sec/m	24V AC/DC - 220V AC	1 Changeover Contact	1
RZ1A1B60S-1	Delay Off	6 - 60 sec/m	12V AC/DC	1 Changeover Contact	1
RZ1A1B60S-25	Delay Off	6 - 60 sec/m	24V AC/DC - 220V AC	1 Changeover Contact	1

Double Relay

RZ1A2C06S-2

Code	Function Type	Time Range	Operating Voltage	Number of Contacts	Box/Pcs
RZ1A2C03*-1	Delay On & Delay Off	0.3 - 3 sec/m	12V AC/DC	1 Changeover Contact + 1Normally Open Contact	1
RZ1A2C03*-2	Delay On & Delay Off	0.3 - 3 sec/m	24V AC/DC	1 Changeover Contact + 1Normally Open Contact	1
RZ1A2C03*-5	Delay On & Delay Off	0.3 - 3 sec/m	220V AC	1 Changeover Contact + 1Normally Open Contact	1
RZ1A2C06*-1	Delay On & Delay Off	0.6 - 6 sec/m	12V AC/DC	1 Changeover Contact + 1Normally Open Contact	1
RZ1A2C06*-2	Delay On & Delay Off	0.6 - 6 sec/m	24V AC/DC	1 Changeover Contact + 1Normally Open Contact	1
RZ1A2C06*-5	Delay On & Delay Off	0.6 - 6 sec/m	220V AC	1 Changeover Contact + 1Normally Open Contact	1
RZ1A2C12*-1	Delay On & Delay Off	1.2 -12 sec/m	12V AC/DC	1 Changeover Contact + 1Normally Open Contact	1
RZ1A2C12*-2	Delay On & Delay Off	1.2 -12 sec/m	24V AC/DC	1 Changeover Contact + 1Normally Open Contact	1
RZ1A2C12*-5	Delay On & Delay Off	1.2 -12 sec/m	220V AC	1 Changeover Contact + 1Normally Open Contact	1
RZ1A2C30*-1	Delay On & Delay Off	3 - 30 sec/m	12V AC/DC	1 Changeover Contact + 1Normally Open Contact	1
RZ1A2C30*-2	Delay On & Delay Off	3 - 30 sec/m	24V AC/DC	1 Changeover Contact + 1Normally Open Contact	1
RZ1A2C30*-5	Delay On & Delay Off	3 - 30 sec/m	220V AC	1 Changeover Contact + 1Normally Open Contact	1
RZ1A2C60S-1	Delay On & Delay Off	6 - 60 sec/m	12V AC/DC	1 Changeover Contact + 1Normally Open Contact	1
RZ1A2C60S-2	Delay On & Delay Off	6 - 60 sec/m	24V AC/DC	1 Changeover Contact + 1Normally Open Contact	1
RZ1A2C60S-5	Delay On & Delay Off	6 - 60 sec/m	220V AC	1 Changeover Contact + 1Normally Open Contact	1

*Time Mode: S: second (sec) ; M: minute (m)
Note 1: 48x48 adaptor will be supplied free of charge whenever needed.
Note 2: All electronic relays must be used together with RS1P08 Sockets

Digital Time Relays

RZ1D1B-1

Code	Operating Voltage	Number of Contacts	Time Range	Function*										Box/Pcs
				A	B	F1	F2	S1	S2	S3	S4	I	P	R	
RZ1D1S-1	12V AC/DC	1 Changeover Contact	0.1-99.59sn.	√	√	√	√	√	√	√	√		√		1
RZ1D1S-2	24V AC/DC	1 Changeover Contact	0.1-99.59sn.	√	√	√	√	√	√	√	√		√		1
RZ1D1S-4	110V AC	1 Changeover Contact	0.1-99.59sn.	√	√	√	√	√	√	√	√		√		1
RZ1D1S-5	220V AC	1 Changeover Contact	0.1-99.59sn.	√	√	√	√	√	√	√	√		√		1
RZ1D1B-1	12V AC/DC	1 Changeover Contact	0.1-99.59sn.	√	√	√	√	√	√	√	√	√	√		1
RZ1D1B-2	24V AC/DC	1 Changeover Contact	0.1-99.59sn.	√	√	√	√	√	√	√	√	√	√		1
RZ1D1B-5	220V AC	1 Changeover Contact	0.1-99.59sn.	√	√	√	√	√	√	√	√	√	√		1
RZ1D1R-1	12V AC/DC	1 Changeover Contact	0.1-99.59sn.	√	√	√	√	√	√	√	√		√	√	1
RZ1D1R-2	24V AC/DC	1 Changeover Contact	0.1-99.59sn.	√	√	√	√	√	√	√	√		√	√	1
RZ1D1R-5	220V AC	1 Changeover Contact	0.1-99.59sn.	√	√	√	√	√	√	√	√		√	√	1

Digital Counters

RZ1D1C-5

Code	Operating Voltage	Number of Contacts	Counter Entry	Reset Entry	Box/Pcs
RZ1D1C-2	24V AC/DC	1 Changeover Contact	12-30V DC Pals	12-30V DC Pals	1
RZ1D1C-5	220V AC	1 Changeover Contact	12-30V DC Pals	12-30V DC Pals	1

Digital Panelmeters

RDA1A

Code	Type	Operating Voltage	Number of Contacts	Counter Entry	Box/Pcs
RDA1A	Ampermetre	220/230V AC	1 Changeover Contact	0-5 A	1
RDV1A	Voltmetre	220/230V AC	1 Changeover Contact	0-600V AC	1
RDH1A	Frekansmetre	220/230V AC	1 Changeover Contact	100-250V AC / 30-70 Hz	1

Motor Protection Relay

RAM1S

Code	Operating Voltage	Number of Contacts	Protection Phase Sequence	Protection Phase Loss	Box/Pcs
RAM1S	3x380V AC	1 Changeover Contact	√	√	1

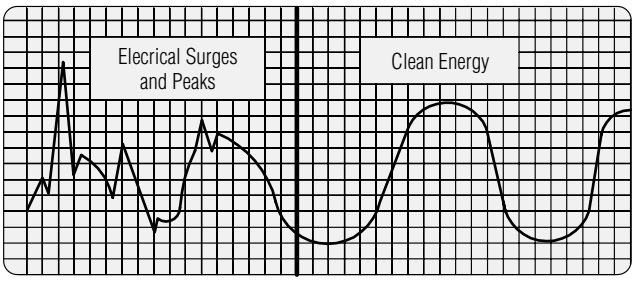
*Functions
A: Delay On
B: Delay Off
F1: Flasher with delay on energy
F2: Flasher with delay off energy
S1: Timing on energy with start input
S2: Delay on energy with start input
S3: Timing on energy with start input break
S4: Delay on energy with start input (2)
I: Waiting (Inhibit)
P: Start possibility from front panel
R: Reserve

ECKR Electrical Device Protection Relay

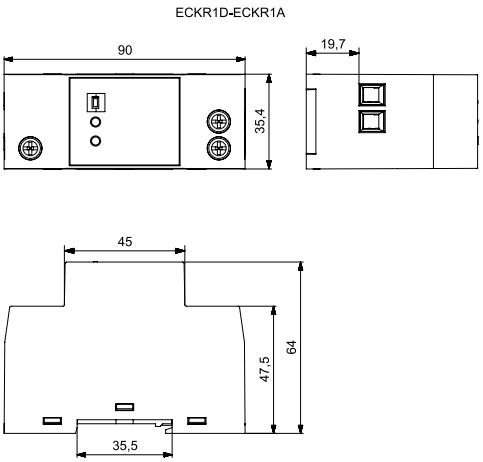
Protection against to voltage changes after power cuts.

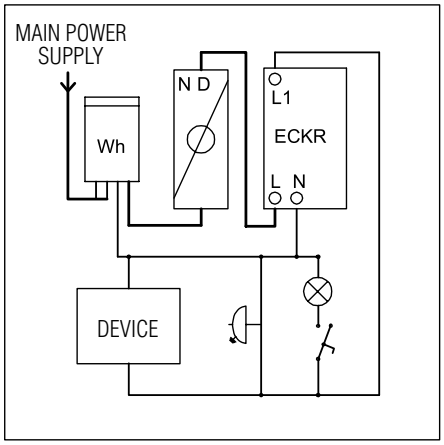
ECKR Technical Features

Technical Informations	
Mechanical Life	500.000
Electronic Life	10.000
Operating Temperature	-5/+40 °C
Insulation Class	IP 20
Operating Voltage	150-260V AC
Nominal Contact Current	40 A
Minimum, Maximum Voltage	150-260V AC
Maximum Contact Strength	10.500 VA
Operating Frequency	50 Hz
Operating Power	2 W
Maximum Peak Current	4500 A
Maximum Peak Voltage	6000 V
Weight	ECKR1D 147±5 gr. ECKR1A 140±5 gr.
Response Time	8 - 20 µs
Clamping Voltage	775 V
Clamping Current	Ip 50 Amp.
Protection Capacity	125 J (joules)
Standart	TS EN 60255



ECKR APPLICATION SCHEMA





ECKR1A

EKCR1D

Code	Features	Nominal Voltage	Box/Pcs
ECKR1A	Analog	220V AC	1
ECKR1D	Digital (with Voltage display)	220V AC	1

L51K23LUM324

Safety Products

CP200EP

CP200EA30

Emergency Stop Button

CP/CM Series Emergency Stop

Code	Type	Contact Block	Dia (mm)	Colour	Box/Pcs
CP200E30		1 NC	30		10
CP200ES30	With Signal	1 NC	30		10
CP200EA30	Key Operated	1 NC	30		10
CP200ECN30	Pull to Release	1 NC	30		10
CP200ECS30	With Signal, Pull to Release	1 NC	30		10
CP200E	Turn to Release	1 NC	40		10
CP200EE	Turn to Release, With Label	1 NC	40		10
CP200EK30	Turn to Release	1 NC	30		10
CP200EP	With Window	1 NC	40		10
CM200E	Mushroom	1 NC	40		10
CM200EE	Turn to release with Label	1 NC	40		10
CM200EP	With window	1 NC	40		10

B200E30

B200EE

B Series Emergency Stop

Code	Type	Contact Block	Dia (mm)	Colour	Box/Pcs
B200E30		1 NC	30		10
B102E30		1 NO + 1 NC	30		10
B200E		1 NC	40		10
B200EE	With Plate	1 NC	40		10
B102E		1 NO + 1 NC	40		10
B200E60		1 NC	60		5
B102E60		1 NO + 1 NC	60		5
B200EG	With Position Curser	1NC	40		10

KB12E

KB Series Emergency Stop

Code	Contact Block	Colour	Box/Pcs
KB12E	1 NC		10
KB14E	1 NO + 1 NC		10

H200EE

H Series Emergency Stop (30 mm)

Code	Type	Contact Block	Dia (mm)	Colour	Box/Pcs
H200EE	Turn to release with label	1 NC	40		10

PK1SE

Emergency Stop Control Box

PK Series

Code	Button Qty	Features	Box Colour	Box/Pcs
PK1SE	Single	With Emergency Stop Button	Yellow-Black	1

P1EC400E40K

P1C400E72

P Series

Code	Button Qty	Features	Box Colour	Box/Pcs
P1EC400E40	Single	Emergency Stop	Yellow-Black	1
P1EC400E40K	Single	Emergency Stop, With Plate	Yellow-Black	1
P1C400E72	Single	72mm. Emergency Stop	Grey-Black	1
PA304E40LED1	Single	Emergency Stop, With Light Plate	Yellow-Black	1

M1C200E40

M Series (Metal)

Code	Button Qty	Features	Box Colour	Box/Pcs
M1C200E40	Single	Emergency Stop	Yellow-Grey	1
M1C200EE	Single	Emergency Stop, With Label	Yellow-Grey	1

Limit Switches

L5K23LEM411

L5K23BEM621

L5K23LUM324

L5K23LUM323

L5 Series,Plastic Body Slow Action

Code	Actuator	Actuator Type	End Unit Material	Box/Pcs
L5K23LEM411*	Hinge	Plastic	Metal	1
L5K23LEM412*	Hinge	Plastic	Metal	1
L5K23LEM511*	Hinge	Plastic	Metal	1
L5K23LEM621*	Hinge	Plastic	Metal	1
L5K23LEM622*	Hinge	Plastic	Metal	1
L5K23BEM621*	Rotational Tube	Plastic	Metal	1
L5K23LUM321*	Curved Key	Plastic	Metal	1
L5K23LUM322*	Straight Key	Plastic	Metal	1
L5K23LUM323*	Movable Key	Plastic	Metal	1
L5K23LUM324*	Movable Key	Plastic	Metal	1
L5K23CPDE*	Emergency Stop	Plastic	Plastic	1

L51K23LUM321

L51K23HUM112

L51 Series, Metal Body, Slow Action

Code	Actuator	Actuator Type	End Unit Material	Box/Pcs
L51K23LUM321*	Curved Key	Metal	Metal	1
L51K23LUM322*	Straight Key	Metal	Metal	1
L51K23LUM323*	Movable Key	Metal	Metal	1
L51K23LUM324*	Movable Key	Metal	Metal	1
L51K23HUM111*	Metal Ring	Metal	Metal	1
L51K23HUM112*	Metal Ring, with Reset	Metal	Metal	1

L52K23HUM111

L52K23HUM112

L52 Series, Metal Body, Slow Action

Code	Actuator	Actuator Type	End Unit Material	Box/Pcs
L52K23LUM321*	Curved Key	Metal	Metal	1
L52K23LUM322*	Straight Key	Metal	Metal	1
L52K23LUM323*	Movable Key	Metal	Metal	1
L52K23LUM324*	Movable Key	Metal	Metal	1
L52K23HUM111*	Metal Ring	Metal	Metal	1
L52K23HUM112*	Metal Ring, with Reset	Metal	Metal	1

* Positive Opening Function

CEKPB

CEKPAB

Two Hand Control Panel

Code	Description	Base
CEKP3	3 Holes	
CEKP3G	3 Holes, Grey	
CEKP5	5 Holes	
CEKPA	3 Holes	√
CEKPB	1 pcs CP200E (middle), 2 pcs CM200MY (2 sides)	
CEKPAB	1 pcs CP200E (middle), 2 pcs CM200MY (2 sides)	√

Code	Accessories
CEKA	Base For Two Hand Panel

CSM02

VT2050

Crane Products

Crane Control Boxes

PVK2E

PVK4E

PVK Series IP 65

Code	Button Qty	Box Colour	Box/Pcs
PVK2E	2	Yellow-Black	1
PVK3E	3	Yellow-Black	1
PVK4E	4	Yellow-Black	1
PVK5E	5	Yellow-Black	1
PVK6E	6	Yellow-Black	1
PVK7E	7	Yellow-Black	1
PVK8E	8	Yellow-Black	1

PV3E30B4

PV5T1X44

PV7E30B444

PV9E30B4444

PV9E30B222AA20

PV Series IP 65

Code	Button Qty	Speed	Box Colour	Box/Pcs
PV3T1X2	2	Single Speed	Yellow-Black	1
PV3T1X4	2	Double Speed	Yellow-Black	1
PV3E30B2	3	Single Speed	Yellow-Black	1
PV3E30B4	3	Double Speed	Yellow-Black	1
PV4X22	4	Single Speed	Yellow-Black	1
PV4X44	4	Double Speed	Yellow-Black	1
PV5T1X22	4	Single Speed	Yellow-Black	1
PV5T1X44	4	Double Speed	Yellow-Black	1
PV5E30B22	5	Single Speed	Yellow-Black	1
PV5E30B42	5	Double-Single Speed	Yellow-Black	1
PV5E30B44	5	Double Speed	Yellow-Black	1
PV7T1X222	6	Single Speed	Yellow-Black	1
PV7T1X444	6	Double Speed	Yellow-Black	1
PV7E30B222	7	Single Speed	Yellow-Black	1
PV7E30B444	7	Double Speed	Yellow-Black	1
PV9T1X2222	8	Single Speed	Yellow-Black	1
PV9T1X4444	8	Double Speed	Yellow-Black	1
PV9E30B2222	9	Single Speed	Yellow-Black	1
PV9E30B222AA20	8	Single Speed	Yellow-Black	1
PV9E30B4444	9	Double Speed	Yellow-Black	1

PVCHBD - PVCHSD - PVTHBD - PVTHSD

PV Series Spare Parts

Code	Type	Speed	Colour	Box/Pcs
PVB1	Start Contact Block	-	●	20
PVB2	Stop Contact Block	-	●	20
PVCHBD	Button	Double Speed	○	20
PVCHSD	Button	Double Speed	●	20
PVTHBD	Button	Single Speed	○	20
PVTHSD	Button	Single Speed	●	20

CSM02

Cross Limit Switch, Metal Body, IP 65

Code	Features	Box/Pcs
CSM02	1 forward step, 1 reverse step	1
CSM04	2 forward steps, 2 reverse steps	1

Rotational Limit Switch, IP67

VT2050

VT4300

Code	Features	Box/Pcs
VT2***	2	1
VT3***	3	1
VT4***	4	1

Note: Round tour rates are 1/50, 1/75, 1/100, 1/150, 1/200, 1/300
For round tour rate, please fill 3 digit number instead of ***
i.e.: VT2050 means 2 switch qty and 050 round tour rate

Accessories for Rotational Limit Switch

Code	Description
VTKAPLIN	Coupling Set

PA1E40K

PA2E40P1

Lift Products

Lift Push Button Stations

PARK4SB

PY4ASB2

Code	Button Qty	Features	Box Colour	Box/Pcs
PY4ASM1	4	2 Arrow Signed,1 Emergency Stop, 1 Selector, 4 Contact (Monoblock)	Yellow-Black	1
PY4ASM2	4	2 Arrow Signed,1 Emergency Stop, 1 Selector, 7 Contact (Monoblock)	Yellow-Black	1
PY4ASB2	4	2 Arrow Signed, 1 Emergency Stop, 1 Selector, 8 Contact (B type)	Yellow-Black	1
PA3E40K20P1	3	Emergency - Double - Socket	Yellow-Grey	1
PA9E40P2	9	4 Start-Socket-Emergency Stop-Selector	Yellow-Black	1
PARKBOS	0	-	Yellow-Black	1
PARK4SB	4	2 Arrow Signed,1 Emergency Stop, 1 Selector (B Type)	Yellow-Black	1
PARK4B	3	2 Arrow Signed, 1 Emergency Stop, (B Type)	Yellow-Black	1
PA1E40K	1	1 Emergency Stop, with plastic 60mm labeled	Yellow-Black	1
PA2E40P1	1	1 Emergency Stop, Socket	Yellow-Black	1
PA401	4	1 Emergency, 1 Round, 1 Double,1 Rotary Cam Switch	Yellow-Black	1
PA501	5	2 Arrow Signed, 1 Emergency Stop, 1 Rotary Cam Switch, 1 Signal, 1 Socket	Yellow-Black	1
PA601	6	1 Emergency Stop,1 Double, 2 Selector, 1 Cam Switch, 1 Round	Yellow-Black	1
PA801	8	1 Arrow Signed, 1 Round,1 Cam Switch,1 Double, 2 Selector,1 Emergency	Yellow-Black	1

Note: Control Boxes have IP65 protection degree, but the minimum IP of the button is accepted for the complete product.

PA1E40K

PA2E40P1

PA3E40K20P1

PA401

PA501

PA601

PA801

PA9E40P2

Z70

Z71

Z73

Z74

Elevator Door Switches

Code	Type	Box/Pcs
Z70	Plug	10
Z71	Socket-Single Entry	16
Z72	Socket-Double Entry	16
Z73	Plug	10
Z74	Socket-Single Entry	10

L5K23MUM332R

L5K13MEL123A

Limit Switches

Code	Actuator	Actuator Type	End Unit Material
L5K13MEL123*	Angular Action Roller Two Way	Plastic	Rubber
L5K13MEL123A*	Angular Action Roller Two Way	Plastic	Rubber
L5K23MUM331R*	Linear Roller, with Reset	Plastic	Metal
L5K23MUM332R*	Linear Roller, with Reset	Plastic	Metal
L51K13MEL123*	Angular Action Roller Two Way	Metal	Rubber
L51K13MEL123A*	Angular Action Roller Two Way	Metal	Rubber
L51K23MUM331R*	Linear Roller, with Reset	Metal	Metal
L51K23MUM332R*	Linear Roller, with Reset	Metal	Metal

* Positive Opening Features

HKP020025R3A

HKP020025ZEA

HKP015015R1A

HKP020025ZKA

NEW

Cable Carriers

HKP015015R1A

HKP020025R3A

NEW

Code	Material	Inner Height	Inner Width	Bending Radius	Type	Box/Pcs
HKP015015R1A	Plastic	15 mm	15 mm	25 mm	Open	1 x 1 m
HKP020025R3A	Plastic	20 mm	25 mm	40 mm	Open	1 x 1 m

HKP015015ZDA

Code	Material	Inner Height	Inner Width	Features	Box/Pcs
HKP015015ZDA	Plastic	15 mm	15 mm	Interior Connection	10
HKP015015ZEA	Plastic	15 mm	15 mm	Exterior Connection	10
HKP015015ZKA	Plastic	15 mm	15 mm	Upper	100
HKP020025ZDA	Plastic	20 mm	25 mm	Interior Connection	10
HKP020025ZEA	Plastic	20 mm	25 mm	Exterior Connection	10
HKP020025ZKA	Plastic	20 mm	25 mm	Upper	100

HKP015015ZEA

HKP015015ZKA

HKP020025ZDA

HKP020025ZEA

HKP020025ZKA

B Series Control Units Selection Table

Series	Contact Block Combination			Button Type	Colour	Pad Printing
B	1	K	2	D	K	1

B B Series Ø 22 mm Control Units

Contact Block Type

0	Empty
1	Start - For Button
2	Stop - For Button

Contact Block Type

0	Empty
1	Start - For Button
2	Stop - For Button

Illumination Block Type

0	Without Illumination	
3	Illumination Block	Suitable for Ba9S Bulbs
5	12 - 30V AC/DC	With White Led
6	12 - 30V AC/DC	With Red Led
7	12 - 30V AC/DC	With Blue Led
8	12 - 30V AC/DC	With Yellow Led
9	12 - 30V AC/DC	With Green Led
B	100 - 230V AC	With White Led
K	100 - 230V AC	With Red Led
M	100 - 230V AC	With Blue Led
S	100 - 230V AC	With Yellow Led
Y	100 - 230V AC	With Green Led
Q	Special Voltage	With White Led
X	Special Voltage	With Red Led
V	Special Voltage	With Blue Led
W	Special Voltage	With Yellow Led
Z	Special Voltage	With Green Led

Spring Type

D	Flush				
F	Stay Put				
H	Extended				
M	Mushroom Ø 40 mm				

Selector Type

S20	2 Position		Stay Put	(0-I)	60°	
S21	2 Position		Spring Return	(0-I)	60°	
S30	3 Position		Stay Put	(II-0-I)	60°	
S31	3 Position		Single Spring Return	(II-0-I)	60°	
S32	3 Position		Double Spring Return	(II-0-I)	60°	
SL20	2 Position	Illuminated	Stay Put	(0-I)	60°	
SL21	2 Position	Illuminated	Spring Return	(0-I)	60°	
SL30	3 Position	Illuminated	Stay Put	(II-0-I)	60°	
SL31	3 Position	Illuminated	Single Spring Return	(II-0-I)	60°	
SL32	3 Position	Illuminated	Double Spring Return	(II-0-I)	60°	
R20	2 Position		Stay Put	(0-I)	45°	
R21	2 Position		Spring Return	(0-I)	45°	
T20	2 Position		Stay Put	(0-I)	90°	
T21	2 Position		Spring Return	(0-I)	90°	
C	Handle Switch					

Key Operated Type

AA20	2 Position	Key Removal at 0 positions	Stay Put	(0-I)	60°
AA21	2 Position	Key Removal at 0 positions	Spring Return	(0-I)	60°
AA30	3 Position	Key Removal at 0 positions	Stay Put	(II-0-I)	60°
AA31	3 Position	Key Removal at 0 positions	Single Spring Return	(II-0-I)	60°
AA32	3 Position	Key Removal at 0 positions	Double Spring Return	(II-0-I)	60°
AC20	2 Position	Key Removal at all positions	Stay Put	(0-I)	60°
AC30	3 Position	Key Removal at all positions	Stay Put	(II-0-I)	60°

Ω taking key out pozition

Emergency Stop Type

E	Ø 40mm		Turn to Release
E30	Ø 30mm		Turn to Release
E60	Ø 60mm		Turn to Release
EE	Ø 40mm	With Label	Turn to Release
EG	Ø 40mm	With Position Curser	

Double Type

K20	Flush		
K21	Single Extended		
B20	Big Flush		
B30	Triple	Single Extended	Stop

Pilots

X	Pilots

Colour

B	White	
K	Red	
M	Blue	
S	Yellow	
Y	Green	
H	Black Mat	
BB	White	White
HB	Black Mat	White Mat
HH	Black Mat	Black Mat
KY	Red	Green
SS	Yellow	Yellow
YY	Green	Green

Pad Printing*

0	0	Printed
10	I-0	Printed
1	I	Printed
2	II	Printed
12	I-II	Printed
L	Light	Printed
OD	Vertical Arrow	Printed
OY	Horizontal Arrow	Printed
OK	Special Arrow	Printed
OO	Special Arrow	Printed
S	Siren Sign	Printed
Z	Bell Sign	Printed

* Minimum order quantity 50 pcs.

Example: B1K2DK—▶B series, start,stop, 100 - 230V AC, With Red Led, red flush type control unit has been selected.

C Series Control Units Selection Table

Series	Material	Contact Block Combination			Button Type	Colour	Pad Printing
C	M	1	K	2	D	K	1

C Series Ø 22 mm Control Units

P	Plastic
M	Metal

Contact Block Type

0	Empty		
1	Start	For Button	
2	Stop	For Button	
3	Tandem	Start	Start
4	Tandem	Start	Stop
5	Tandem	Stop	Stop

Illumination Block Type

0	Without Illumination	
5	12 - 30V AC/DC	With White Led
6	12 - 30V AC/DC	With Red Led
7	12 - 30V AC/DC	With Blue Led
8	12 - 30V AC/DC	With Yellow Led
9	12 - 30V AC/DC	With Green Led
B	100 - 230V AC	With White Led
K	100 - 230V AC	With Red Led
M	100 - 230V AC	With Blue Led
S	100 - 230V AC	With Yellow Led
Y	100 - 230V AC	With Green Led
Q	Special Voltage	With White Led
X	Special Voltage	With Red Led
V	Special Voltage	With Blue Led
W	Special Voltage	With Yellow Led
Z	Special Voltage	With Green Led

Contact Block Type

0	Empty		
1	Start	For Button	
2	Stop	For Button	
3	Start	Start	Tandem
4	Start	Stop	Tandem
5	Stop	Stop	Tandem

Example: CM1K2DK→C Series, Metal, start,stop,100 - 230V AC, with red led, red flush type control unit has been selected.

Stringed Type Buttons

D	Flush	
M	Extended	
H	Mushroom	Ø 40 mm
M72	Mushroom	Ø 72 mm

Selector Type

S20	2 Position	Stay Put	(0-I)	60°
S21	2 Position	Spring Return	(0-I)	60°
S30	3 Position	Stay Put	(II-0-I)	60°
S31	3 Position	Single Spring Return	(II-0-I)	60°
S32	3 Position	Double Spring Return	(II-0-I)	60°

Key Operated Type Buttons

AA20	2 Position	Key Removal at 0 positions	Stay Put	(0-I)	60°
AA21	2 Position	Key Removal at 0 positions	Spring Return	(0-I)	60°
AA30	3 Position	Key Removal at 0 positions	Stay Put	(II-0-I)	60°
AA31	3 Position	Key Removal at 0 positions	Single Spring Return	(II-0-I)	60°
AA32	3 Position	Key Removal at 0 positions	Double Spring Return	(II-0-I)	60°
AC20	2 Position	Key Removal at all positions	Stay Put	(0-I)	60°
AC30	3 Position	Key Removal at all positions	Stay Put	(II-0-I)	60°

Ω taking key out pozition

Emergency Stop Type

E	Ø 40mm		Turn to Release
E30	Ø 30mm		Turn to Release
EA30	Ø 30mm	Key Operated	Turn to Release
ECN30	Ø 30mm		Pull to Release
ECS30	Ø 30mm	With Signal	Pull to Release
EE	Ø 40mm	With Label	Turn to Release
EK30	Ø 30mm	Short	Turn to Release
EP	Ø 40mm	With Window	Pull to Release
ES30	Ø 30mm	With Signal	Turn to Release

Double Head Buttons

K20	Flush
K21	Single Extended

Joystcik

DJ20	2 Position	Stay Put
DJ21	2 Position	Spring Return
DJ40	4 Position	Stay Put
DJ41	4 Position	Spring Return

Pilots

X	Pilots

Colour

B	White	
K	Red	
M	Blue	
S	Yellow	
Y	Green	
H	Black Mat	
BB	White	White
HB	Black Mat	White Mat
HH	Black Mat	Black Mat
KY	Red	Green
SS	Yellow	Yellow
YY	Green	Green

Pad Printing*

0	0	Printed
10	I-0	Printed
1	I	Printed
2	II	Printed
12	I-II	Printed
L	Light	Printed
OD	Vertical Arrow	Printed
OY	Horizontal Arrow	Printed
OK	Special Arrow	Printed
OO	Special Arrow	Printed
S	Siren Sign	Printed
Z	Bell Sign	Printed

* Minimum order quantity 50 pcs.

D Series Control Units Selection Table

Series	Contact Block Combination			Button Shape	Button Type	Colour
D	1	9	2	D	D	Y

D D Series Ø 16 mm Control Units

Contact Block Type

0	Empty
1	Start For Button
2	Stop For Button

Illumination Block Type

0	Without Illumination
5	12 - 24V AC/DC With White Led
6	12 - 24V AC/DC With Red Led
7	12 - 24V AC/DC With Blue Led
8	12 - 24V AC/DC With Yellow Led
9	12 - 24V AC/DC With Green Led

Contact Block Type

0	Empty
1	Start For Button
2	Stop For Button

Button Shape

D	Rectangle
K	Square
Y	Round

Button Type

Spring Type

D	Flush	
M30	Mushroom	Ø 30 mm

Selector Type

S20	2 Position	Stay Put	(0-I)	60°
S21	2 Position	Spring Return	(0-I)	60°
S30	3 Position	Stay Put	(II-0-I)	60°
S31	3 Position	Single Spring Return	(II-0-I)	60°
S32	3 Position	Double Spring Return	(II-0-I)	60°

Emergency Stop Type

E30	Ø 30mm	Turn to Release

Pilots

X	Pilots

Colour

B	White
K	Red
M	Blue
S	Yellow
Y	Green
H	Black Mat

Example: D192DDY→D Series, start,stop,12 - 24V AC/DC, With Green Led, Green Rectangle flush type control unit has been selected.

MB Series Control Units Selection Table

Series	Contact Combination			Button Type	Colour
MB	1	0	2	D	K

MB — MB Series Ø22 mm Control Units

Contact Block Type
- 1 Start For Button
- 2 Stop For Button

Illumination Block Type
- 0 Without Illumination

Contact Block Type
- 1 Start For Button
- 2 Stop For Button

Buton Type

Spring Type

D	Flush	
F	Stay Put	
M	Mushroom	Ø 40 mm

Selector Type

S20	2 Position	Stay Put	(0-I)	60°	
S21	2 Position	Spring Return	(0-I)	60°	
S30	3 Position	Stay Put	(II-0-I)	60°	
S31	3 Position	Single Spring Return	(II-0-I)	60°	
S32	3 Position	Double Spring Return	(II-0-I)	60°	

Emergency Stop Type

E	Ø 40mm		Turn to Release
EE	Ø 40mm	With Label	Turn to Release

Colour
- B White
- K Red
- M Blue
- S Yellow
- Y Green
- H Black Mat

Example: MB102DK—►MB Series, start,stop,Red flush type control unit has been selected.

Limit Switches Selection Table

Series	Body				Actuating	Unit	
L1	K1	3	M	İ	P	211	R

Housing Type

L1	Classic Aluminium Body and Cover
L2	Hooked up Aluminium Body and Plastic Cover
L3	Prismatic Plastic Body and Cover
L4	Classic Aluminium Double Body and Cover
L5	Prismatic Plastic Body and Cover
L51	Prismatic Aluminium Body and Cover
L52	Metal Body and Cover
L53	Metal Body and Cover
L61	Single Piece Aluminium Body With Cable
L66	Single Piece Plastic Body With Cable Side Connected

Contact Mode

K1	Snap Action Overlap
K2	Slow Action Overlap
K3	Slow Action Overlap

Contact Type

1	Start-Start (NO+NO)
2	Stop-Stop (NC+NC)
3	Stop-Start (NC+NO)
4	Start-Stop (NO+NC)
5	Double Stop-Start (2NC+NO)
6	Double Stop-Double Start 2(NC+NO)
7	Double Start-Stop (2NO+NC)
8	Double Start-Double Stop 2(NO+NC)

End Unit Type

M	Roller
P	Plunger
S	Spiral
F	Flexible Rod
R	Rigid Rod
L	Hinge
H	Rope Pull
B	Rotational Tube

Action Unit

İ	Angular Action. Single Direction
E	Angular Action. Double Direction
O	Angular Action. Multiple Direction
U	Linear Action

End Unit Material

P	Plastic
M	Metal
L	Rubber
B	Bacalite
F	Fiber

Type Number

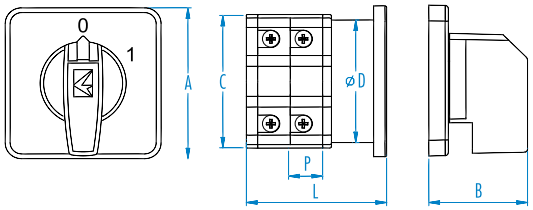
Actuating Unit

A	Adjustable Arm
R	With Reset
RA	Adjustable Arm with Reset
T	Reverse Mounted Arm
Y	Arm with Soft Spring
3	3 m Cable

* Available only for L5 Series with the specification of positive opening function models.

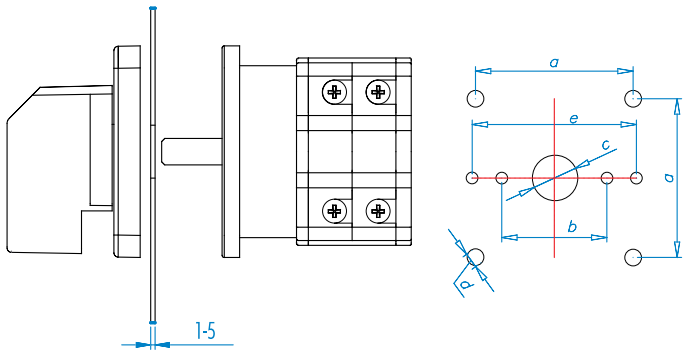
Example: L1K13MİP11 is shown.

PSA Cam Switches Selection Table



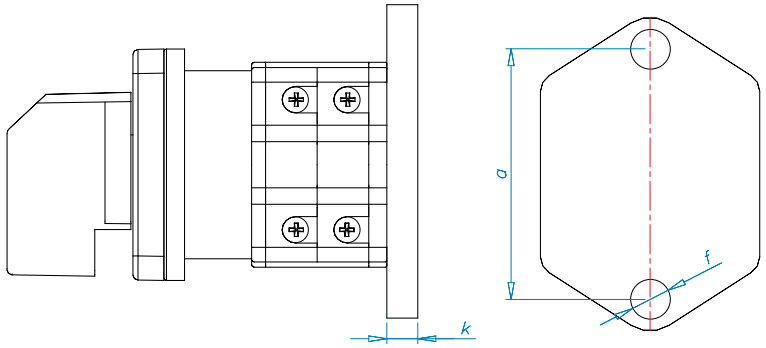
	A	B	C	D	P	L 1	2	3	4	5	6	7	8
PSA10	48	30,5	42,5	27	10	33,2	43,2	53,2	63,2	73,2	83,2	93,2	103,2
PSA16	48	30,5	42,5	27	10	33,2	43,2	53,2	63,2	73,2	83,2	93,2	103,2
PSA20	48	30,5	42,5	27	10	33,2	43,2	53,2	63,2	73,2	83,2	93,2	103,2
PSA25	48	30,5	42,5	27	12	35,2	47,2	59,2	71,2	83,2	95,2	107,2	119,2
PSA32	64	38	55	55	13	39,2	52,2	65,2	78,2	91,2	104,2	111,2	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	45,7	63,2	80,7	98,2	115,7	133,2	150,7	168,2
PSA63	64	38	65	55	21	49,2	70,2	91,2	112,2	133,2	154,2	175,2	196,2
PSA80	85	48	75	75	26	63	89	115	141	167	193	219	245

MOUNTING TO PANEL COVER



	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	4,3
PSA40	48	30	50	10	4,3

MOUNTING TO PANEL BASE



	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

PSA Cam Switches Selection Table

Cam Switches Selection Table

Group	Series	Amper	Type	Pole	Angle	Label	Option
PS	A	010	AK	1	3	1	S

PS PS Group

A A Series

Amper

- 10
- 16
- 20
- 25
- 32
- 40
- 50
- 63
- 80
- 115

Type

- AK On-Off
- KD Change Over
- KS Step
- KT Multi Step
- MS Motor Control
- CD Double Speed Motor Switch
- OK Measure Commutator
- Z Special Cam Switch

Pole

- 1
- 2
- 3
- 4

Angle

- 1 30' Angle
- 2 45' Angle
- 3 60' Angle
- 4 90' Angle
- 5 90' Angle (Push Button)

Label

- 1
- 2
- 3
- 4
- 5
- 6
- 7

Option

- S Standard
- E 48x48 Emergency Yellow Red
- B 64x64 Normal
- F 64x64 Emergency
- G 48x48 Emergency Grey-Black
- AQ Key Operated Fast Montage Quick Instalatior
- K Lockable Handle model
- Q Quick Instalation

Label

1. Type

- 1 0 - 1
- 2 0 - 1 -2
- 3 1 - 2
- 4 1 - 0 - 2

2. Type*

- 2 0 - 1 - 2
- 3 0 - 3
- 4 0 - 4
- 5 0 - 5
- 6 0 - 6
- 7 0 - 7

* For Multi Step Switches

3. Type**

- 5

** For motor control

4. Type***

- 1 Phase - Neutral
- 2 Phase - Phase
- 3 Phase - Neutral and Phase - Phase
- 6 Ampermeter

*** For measure commutator switches

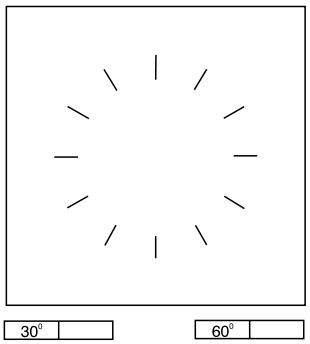
Example: PSA032AK131B ➞ PSA Series, 32 A, 1 pole, 60 degrees Rotational, 0-1 on-off Cam switch has been selected.

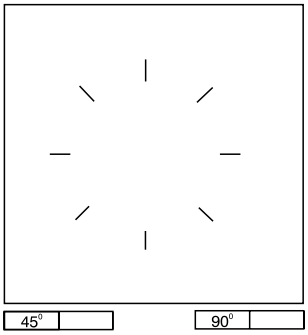
PSA Cam Switches, Special Order Form

SPECIAL ORDER FORM

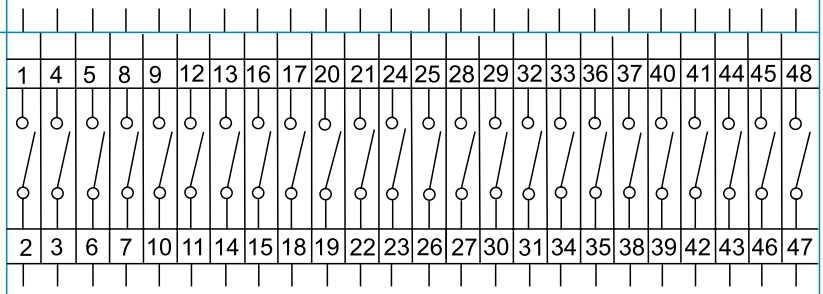
Rated Voltage	V	Type of Switch	PS	Mounting Form		Diagram No.	
Rated Current	A	Utilization Category				Special Version	

Connection Diagram





Connection Diagram



Arrangement Of Position Marks On Front Plate

Note:

Company NOme _____

Adress _____

Telephone _____ Fax _____ Data _____

Industrial Type Plug & Sockets Selection Table

Series	Body Material	Number Of Contacts	Type	Entry	Locking	Feautures
EB	M	10	FM	4	4	H

Series

EB	EB Series Industrial Type Plugs & Sockets

Body Material

M	Metal
P	Plastic

Number Of Contacts

5	5 Poles (10 Amper)
6	6 Poles (16 Amper)
10	10 Poles (16 Amper)
16	16 Poles (16 Amper)
24	24 Poles (16 Amper)
32	32 Poles (16 Amper)
48	48 Poles (16 Amper)
606	6 Poles (35 Amper)
612	12 Poles (35 Amper)
806	4x80 Amper, 2x16 Amper
812	8x80 Amper, 4x16 Amper

Type

FU	Hood With Male Insert
FM	Housing With Male Insert
FD	Housing With Male Insert (Surface Mounting)
PU	Hood With Female Insert
PM	Housing With Female Insert
PD	Housing With Female Insert (Surface Mounting)
PE	Female Insert (Sloping)
CF	Male Insert
CP	Female Insert
GU	Hood Far
GM	Housing
GD	Housing (Surface Mounting)
GE	Housing (Sloping)

Entry

0	Non Entry
1	Side Entry
2	Double Side Entry
3	Top Entry
4	Bottom Entry
5	Bottom & Side Entry

Locking

0	Without
1	One Handle
2	Two Handle Roller
4	Four Handle Roller
6	Metal Opening (Single Arm)
7	Metal Handle
8	Metal Opening (Double Arm)

Features

H	Black
PG21	PG21 Entery
PG29	PG29 Entery

NOTES

NOTES

NOTES

EMAS ELEKTROTEKNİK MAKİNE SANAYİ ve TİCARET A.Ş.
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