



product
overview
2015

emas[®]



We target the peak

with the various range of
products in electrotechnics

Emas, offering solutions in 18 different product groups in numerous sectors with the 46-year-experience, keeps on its way as the leader of innovation and the strong competitor of world's leading brands.

EMAS[®]

Index

PUSH BUTTONS AND SIGNAL LAMPS	4
CONTROL BOXES	16
FOOT SWITCHES	20
LIMIT SWITCHES	22
SENSORS	29
BASIC SWITCHES	31
ROTARY CAM SWITCHES	34
INDUSTRIAL TYPE PLUGS & SOCKETS	42
LIGHT TOWERS	47
MOTOR PROTECTION CIRCUIT BREAKERS	51
LEVEL CONTROL FLOAT SWITCHES	53
CONTACTORS	55
INDUSTRIAL TYPE RELAYS & SOCKETS	58
ELECTRONIC RELAYS	60
SAFETY PRODUCTS	64
CRANE PRODUCTS	67
LIFT PRODUCTS	69

CM100HY



CP100HK



H100DM



MB200E-E



Push Buttons and Signal Lamps

B Series Push Buttons, 22 mm, IP 50

Flush, Spring Return

Code	Contact Block Type	Colour*	Box/Pcs
B100D*	1 NO		10
B101D*	2 NO		10
B102D*	1 NO + 1 NC		10
B200D*	1 NC		10
B202D*	2 NC		10



B100DY



B100FY



B200HK

Stay-Put, Spring Return

Code	Contact Block Type	Colour*	Box/Pcs
B100F*	1 NO		10
B200F*	1 NC		10

Extended, Spring Return

Code	Contact Block Type	Colour*	Box/Pcs
B100H*	1 NO		10
B101H*	2 NO		10
B102H*	1 NO + 1 NC		10
B200H*	1 NC		10
B202H*	2 NC		10



B102K20KY



B102B20KY



B121B30YY



B100S20

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

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

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

Selector

Code	Type	Contact Block Type	Position	Angle	Colour*	Box/Pcs
B100S20		1 NO	0-1			10
B100S21	Spring Return	1 NO	0-1			10
B101S30		2 NO	II-0-1			10
B101S31	Single Spring Return	2 NO	II-0-1			10
B101S32	Double Spring Return	2 NO	II-0-1			10
B100R20		1 NO	0-1			10
B100R21	Spring Return	1 NO	0-1			10
B100T20		1 NO	0-1			10
B100T21	Spring Return	1 NO	0-1			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/DC" 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	Position	Colour*	Box/Pcs
B100SL20*		1 NO	0-1		10
B100SL21*	Spring Return	1 NO	0-1		10
B101SL30*		2 NO	II-0-1		10
B101SL31*	Single Spring Return	2 NO	II-0-1		10
B101SL32*	Double Spring Return	2 NO	II-0-1		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/DC" 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.



B200MK



B100C

Handle and Mushroom Head

Code	Type	Contact Block	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			10
B200M*	Mushroom Head, Spring Return	1 NC			10
B102M*	Mushroom Head, Spring Return	1 NO + 1 NC			10

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



B100AC20

Key Operated

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



B200E30



B200E-E

B Series Emergency Stop

Code	Type	Contact Block	Diameter	Colour*	Box/Pcs
B200E30	Cylindric	1 NC	30		10
B102E30	Cylindric	1 NO + 1 NC	30		10
B200E		1 NC	40		10
B200E-E	With Label	1 NC	40		10
B102E		1 NO + 1 NC	40		10
B200E60		1 NC	60		5
B102E60		1 NO + 1 NC	60		5



BPR01K

Potentiometer (1,5W@70°C IP65)

Code	Features	Colour*	Box/Pcs
BPR01K	1 kΩ (Ceramic, Wired)		10
BPR05K	5 kΩ (Ceramic, Wired)		10
BPR10K	10 kΩ (Ceramic, Wired)		10



B3



B1

Contact Blocks of B Series Push Buttons

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 Signal Lamps with Contact Block

Code	Illumination	Nominal Voltage	Colour*	Box/Pcs
B030X*	With Lampholder for Ba9S		(B) (K) (M) (S) (Y) (H)	10
B050XB	LED	12 - 30V AC/DC	(B)	10
B060XK	LED	12 - 30V AC/DC	(K)	10
B070XM	LED	12 - 30V AC/DC	(M)	10
B080XS	LED	12 - 30V AC/DC	(S)	10
B090XY	LED	12 - 30V AC/DC	(Y)	10
BOB0XB	LED	100-230V AC	(B)	10
BOK0XK	LED	100-230V AC	(K)	10
BOM0XM	LED	100-230V AC	(M)	10
BOS0XS	LED	100-230V AC	(S)	10
BOY0XY	LED	100-230V AC	(Y)	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 Push Buttons

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	(B)	20
BDS21	Button	Selector	0-I	(K)	20
BDS30	Button	Selector	II-0-I	(M)	20
BDAC20	Button	Key Operated	0-I	(S)	1
BDAA20	Button	Key Operated	0-I	(Y)	1
BDAC30	Button	Key Operated	II-0-I	(H)	1
BDAA30	Button	Key Operated	II-0-I	(H)	1
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	Double		(B) (K)	8
BDB30YY	Button	Double with Extended Stop Button		(S) (Y)	8
BDK20KY	Button	Double		(K) (Y)	8
BDK21KY	Button	Double, Extended		(K) (Y)	8
BDK20HB	Button	Double		(H) (B)	8
BDK21HB	Button	Double, Extended		(H) (B)	8
BDC	Button	Handle		(C)	20
BDE	Button	Emergency Stop, 40 mm		(E)	10
BDE-E	Button	Emergency Stop, 40 mm, with Label		(E)	10
BDE30	Button	Emergency Stop Cylindric, 30 mm		(E)	20
BDE60	Button	Emergency Stop, 60 mm		(E)	5
TIPASOM	Stopper and Nut				20
BX*	Signal Head Group	CombiNOtion		(B) (K) (M) (S) (Y) (H)	20
B5	Signal Block with LED	12-30V AC/DC		(B)	20
B6	Signal Block with LED	12-30V AC/DC		(K)	20
B7	Signal Block with LED	12-30V AC/DC		(M)	20
B8	Signal Block with LED	12-30V AC/DC		(S)	20
B9	Signal Block with LED	12-30V AC/DC		(Y)	20
BB	Signal Block with LED	100-230V AC		(B)	20
BK	Signal Block with LED	100-230V AC		(K)	20
BM	Signal Block with LED	100-230V AC		(M)	20
BS	Signal Block with LED	100-230V AC		(S)	20
BY	Signal Block with LED	100-230V AC		(Y)	20
BB-4	Signal Block with LED	110V AC/DC		(B)	20
BK-4	Signal Block with LED	110V AC/DC		(K)	20
BM-4	Signal Block with LED	110V AC/DC		(M)	20
BS-4	Signal Block with LED	110V AC/DC		(S)	20
BY-4	Signal Block with LED	110V AC/DC		(Y)	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	24 VDC /AC		(B) (K) (M) (S) (Y) (H)	50
LED220*	Ba9S LED	220V AC		(B) (K) (M) (S) (Y) (H)	50
B-Buton Orta	Contact Block Activator				50
B-Seçici Orta	Contact Block Activator				50

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

CP Series Plastic Push Buttons, 22 mm, IP 65



CP100DY

CP200DK



CP102K20KY

CP305DY



CP100HK



CP100S20



CP200EA30

CP200EP



CP100AC20



CP707DJ40



CP060XK

Flush, Spring Return

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

Extended, Spring Return

Code	Contact Block	Colour*	Box/Pcs
CP100H*	1 NO		10
CP101H*	2 NO		10
CP102H*	1 NO + 1 NC		10
CP200H*	1 NC		10
CP202H*	2 NC		10

Selector

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

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/DC" 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

Emergency Stop

Code	Type	Contact Block	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
CP200EK30	Turn to Release-Short	1 NC	30		10

Key Operated

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

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

CP Series Signal Lamps 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 Push Buttons, 22 mm, IP 65



CM100DY



CM200DK



CM102K20KY



CM200E



CM100HY



CM100S20



CM100AC20



CM707DJ40



CM090XY

Flush, Spring Return

Code	Type	Contact Block	Colour	Box/Pcs
CM100D*		1 NO		10
CM101D*		2 NO		10
CM102D*		1 NO + 1 NC		10
CM200D*		1 NC		10
CM202D*		2 NC		10
CM305D*		2 NO + 2 NC		5
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
CM200E	Emergency Stop	1 NC		10
CM200M*	Mushroom	1 NC		10

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

Extended, Spring Return

Code	Contact Block	Colour*	Box/Pcs
CM100H*	1 NO		10
CM101H*	2 NO		10
CM102H*	1 NO + 1 NC		10
CM200H*	1 NC		10
CM202H*	2 NC		10

Selector

Code	Type	Contact Block	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
CM101S31	Single Spring Return	2 NO	II-0-I		10
CM101S32	Double Spring Return	2 NO	II-0-I		10
CM303S30		2 NO + 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/DC" 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.

Key Operated

Code	Type	Contact Block	Position	Colour	Box/Pcs
CM100AA20		1 NO	0-I		10
CM100AA21	Spring Return	1 NO	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
CM102AA30		1 NO + 1 NC	II-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

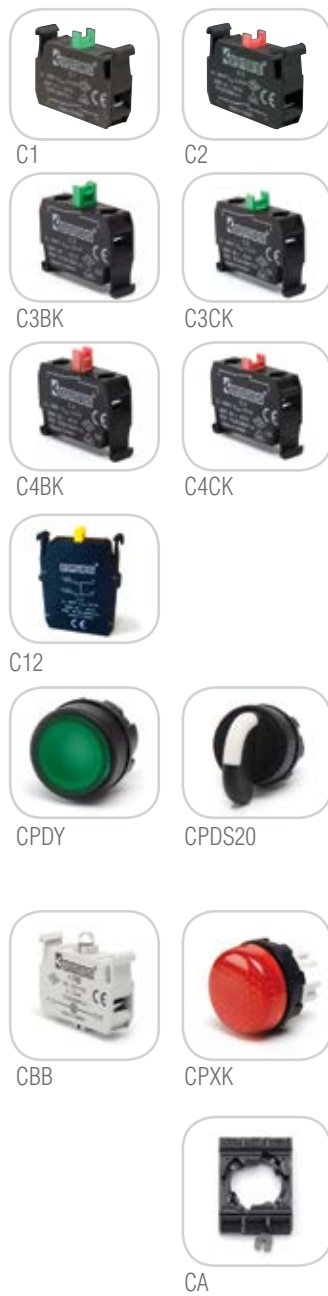
Joystick

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

CM Series Signal Lamps 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

Spare Parts for CP/CM Series Push Buttons



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 -	1 NO	●	20
C4BK	B Control Boxes	1 NC	●	20
C3CK	Contact Block -	1 NO	●	20
C4CK	C Control Boxes	1 NC	●	20
CPD*	Button - Plastic	Flush IP65	●	50
CPH*	Button - Plastic	Extended	●	50
CPDS20	Selector - Plastic	Selector IP65	●	50
CPDS30	Selector - Plastic	Selector IP65	●	50
CPX*	Signal Head - Plastic		●	50
CPDE30	Emergency Stop Head	IP65 - Turn to Release	●	50
CPDEA30	Emergency Stop Head	IP65 - Key Operated	●	50
CPDECN30	Emergency Stop Head	IP65 - Pull to Release	●	50
CPDES30	Emergency Stop Head	IP65 - With Signal	●	50
CMD*	Button - Metal	IP65	●	50
CMH*	Button - Metal	Extended	●	50
CMDS20	Selector - Metal	Selector IP65	●	50
CMDS30	Selector - Metal		●	50
CMX*	Signal Head - Metal		●	50

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

For Push Button / For Control Boxes

Code	Type	Features	Colour	Box/Pcs
CB5 / CK5	Signal Block with LED	12-30V AC/DC	○	20
CB6 / CK6	Signal Block with LED	12-30V AC/DC	●	20
CB7 / CK7	Signal Block with LED	12-30V AC/DC	●	20
CB8 / CK8	Signal Block with LED	12-30V AC/DC	●	20
CB9 / CK9	Signal Block with LED	12-30V AC/DC	●	20
CBB / CKB	Signal Block with LED	100-230V AC	○	20
CBK / CKK	Signal Block with LED	100-230V AC	●	20
CBM / CKM	Signal Block with LED	100-230V AC	●	20
CBS / CKS	Signal Block with LED	100-230V AC	●	20
CBY / CKY	Signal Block with LED	100-230V AC	●	20
CBB-4 / CKB-4	Signal Block with LED	110V AC/DC	○	20
CBK-4 / CKK-4	Signal Block with LED	110V AC/DC	●	20
CBM-4 / CKM-4	Signal Block with LED	110V AC/DC	●	20
CBS-4 / CKS-4	Signal Block with LED	110V AC/DC	●	20
CBY-4 / CKY-4	Signal Block with LED	110V AC/DC	●	20
CA	Adapter			20
CEA	Additional Adapter			10
CMB	CM Mounting LiNC (Metal)			20

Pad Printed Push Buttons (mat surface without Illumination)

Code	B102K20KY-10	B101K20YY-12	B101K20YY-OK	B102K20HB-10	B101K20HH-OK	B101K20BB-12	B101K20SH-10	B101K20SS-12
PRINT	CP102K20KY-10	CP101K20YY-12	CP101K20YY-OK	CP102K20HB-10	CP101K20HH-OK	CP101K20BB-12	CP101K20SH-10	CP101K20SS-12
Code	B100DY-OD	B100DY-OY	B100DH-OD	B100DH-OY	B100DB-OD	B100DB-OY	B100DB-Z	B100DB-L
PRINT	CP100DY-OD	CP100DY-OY	CP100DH-OD	CP100DH-OY	CP100DB-OD	CP100DB-OY	CP100DB-Z	CP100DB-L
Code	B100DY-1	B100DY-2	B100DB-1	B100DB-2	B200DK-0	B200DH-0	B200DS-Z	B200DS-L
PRINT	CP100DY-1	CP100DY-2	CP100DB-1	CP100DB-2	CP200DK-0	CP200DH-0	CP200DS-Z	CP200DS-L

Note : Minimum Order Quantity : 50 pcs



B-ROZET18



B-ROZET08



B-MUHAFAZA



BET60P



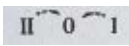
B-PUL



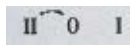
B-PROT

Accessories for B and C Series Push Buttons

Code	Type	Features	Position	Box/Pcs
B-ROZET08	Plate Holder	8 mm.		100
B-ROZET18	Plate Holder	18 mm.		100
B-ÇİFTLİROZET18	Double Plate Holder	18 mm.		100
BET08	Plate	8 mm. Empty		100
BET18	Plate	18 mm. Empty		100
BET08-START	Plate	8 mm. Start		100
BET08-STOP	Plate	8 mm. Stop		100
BET08-01	Plate	8 mm.	0-1	100
BET08-010K	Plate	8 mm.	0-1	100
BET08-201	Plate	8 mm.	II-0-I	100
BET08-2010K	Plate	8 mm.	II-0-I	100
BET08-2010K2	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
B-MUHAFAZA	Emergency Protective Cover	Stroke Protection		20
C-MUHAFAZA	Emergency Protective Cover	Stroke Protection		20
B-PUL	Plate	Button Tightening		100
TIPASOM	Stopper and Nut			20
BEB	Silicon Cover	For Single Buttons		20
BEBK20	Silicon Cover	For Double Buttons		20
BEBK21	Silicon Cover	For Extended Double Buttons		20
B-PROT	Protective Cover			50



BET08-2010K2



BET08-2010K



BET08



BET18



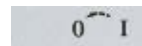
BET08-START



BET08-STOP



BET08-01



BET08-010K



BET08-201

D Series Push Buttons, 16 mm



D100DDY

Rectangle, Spring Return

Code	Contact Block	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	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	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	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	Colour*	Box/Pcs
D100YM30*	1 NO		10
D102YM30*	1 NO + 1 NC		10
D200YM30*	1 NC		10



D200YE30

Emergency Stop

Code	Contact Block	Colour*	Box/Pcs
D100YE30K	1 NO	●	10
D102YE30K	1 NO + 1 NC	●	10
D200YE30K	1 NC	●	10



D9



D2

Spare Parts for D Series Push Buttons

Code	Contact Block	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.

D Series 16 mm Signal Lamps

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



D060DXK



D080KXS

NEW H Series Buttons, 30 mm, IP 50

Flush, Spring Return

Code	Contact Block	Colour*	Box/Pcs
H100D*	1 NO		10
H101D*	2 NO		10
H102D*	1 NO + 1 NC		10
H200D*	1 NC		10
H202D*	2 NC		10

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

KB Series Buttons, 22 mm, IP 40

Flush, Spring Return

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

Selector

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

Handle

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

Key Operated

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

Mushroom

Code	Contact Block	Colour	Box/Pcs
KB12MK	1 NC		10
KB34M*	1 NO		10
KB14M*	1 NO + 1 NC		10

Emergency Stop

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

Spare Parts for KB Series Push Buttons

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			100

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



H100DY

H200DK



KB34DY

KB14RS-0



KB34S2



KB12C



KB14A2



KB12MK



KB12E



KB12

MB Series Monoblock Push Buttons, 22 mm, IP 40



MB102DM



MB100DY

Flush, Spring Return

Code	Contact Block	Colour	Box/Pcs
MB100D*	1 NO		10
MB102D*	1 NO + 1 NC		10
MB200D*	1 NC		10
MB101D*	2 NO		10
MB202D*	2 NC		10



MB100FY

Stay-Put, Spring Return

Code	Contact Block	Colour	Box/Pcs
MB100F*	1 NO		10
MB200F*	1 NC		10
MB101F*	2 NO		10
MB102F*	1 NO + 1 NC		10



MB100S20

Selector

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

NEW



MB200E-E

Emergency Stop

Code	Contact Block	Diameter	Colour	Box/Pcs
MB200E	1 NC	40 mm.		10
MB200E-E	1 NC	40 mm.		10



MB200E



MB200MK

Mushroom Head

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



MBSD024Y



MBSP220Y

Monoblock Signal Lamps (LED)

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



MBZS024S



MBZX220S

MB Series Ø 22 mm Monoblock Buzzer Signal Types (LED), 90 db (10 cm Distance)

Code	Features	Nominal Voltage	Features	Box/Pcs
MBZS024S	With Illumination	24V AC/DC	Single Melody	10
MBZS220S	With 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" alphabet 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.

Signal Lamps



S100LK



S102S



S140K



S224B



S140Y2



S222LS



PDA



N0201Y

Code	Dia (mm)	Illumination	Features	Voltage	Colour	Box/Pcs
S100*	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
S100*5SP0	10	Bulb	With Silicon Cable	230V AC	(B) (K) (M) (S) (Y)	100
S102*	10	Bulb	With Terminal	230V AC	(B) (K) (M) (S) (Y)	50
S105*	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: S1450 ve S2200 Signal Lamps are transparent colour.

Spare Parts

Code	Illumination	Features	Voltage	Colour	Box/Pcs
PDA	Bulb with Plastic Lampholder		220V	()	100
N0201Y	Neon Bulb	Rotat. Mount., Green	220V	()	100
N0201	Neon Bulb	Rotational Mounting	220V	()	100
N0101	Neon Bulb	Screw Mounting	220V	()	100



M1C200E40



P1C400E-72

Control Boxes



P1C300M-72H



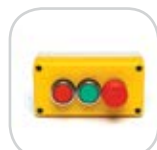
P1C400DK



P1C400E-72



P1C300DY



P3EC1A2B-E30



P1EC400E40-K



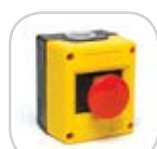
P2AB



M1C200E40



PY1BOŞ



PK1SE



PK2



PK3



PK31S

P Series (IP65 with available Push Buttons)

Code	Button Qty	Features	Box Colour	Box/Pcs
P1C300M-72H	1	72 mm Mushroom Button (Black Button) (Start)	Black-Grey	1
P1C400M-72	1	72mm. Mushroom (Red Button)(Stop)	Black-Grey	1
P1C400E-72	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
P1EC400E40-K	1	Emergency Stop, With Plate	Yellow-Black	1
P2AB	2	Green-Red (Start-Stop)	Black-Grey	1
P2AB-E30	2	Cylindric Head (Start-Emergency Stop)	Black-Grey	1
P2CC	2	Green-Red (Start-Stop/Start-Stop)	Black-Grey	1
P2CC-M	2	Green-Mushroom-Red (Start-Stop/Start-Stop)	Black-Grey	1
P3EC2A1B-E30	3	Emergency Stop	Yellow-Grey	1
P43A1B	4	3 Start / 1 Stop	Black-Grey	1
P43A1B-E30	4	3 Start / 1 Emergency Stop (Cyl.Head)	Black-Grey	1
P44C	4	4 Start-Stop	Black-Grey	1
P1BOŞ	1	Empty Box	Black-Grey	1
P2BOŞ	2	Empty Box	Black-Grey	1
P3BOŞ	3	Empty Box	Black-Grey	1
P4BOŞ	4	Empty Box	Black-Grey	1
P6BOŞ	6	Empty Box	Black-Grey	1

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

Code	Button Qty	Features	Box Colour	Box/Pcs
M1C200E40	1	Emergency Stop	Yellow-Grey	1
M1CBOŞ	1	Empty Box	Yellow-Grey	1

PY Series (IP65 with available Push Buttons)

Code	Button Qty	Features	Box Colour	Box/Pcs
PY1BOŞ	1	Empty Box	Black-Grey	1
PY2BOŞ	2	Empty Box	Black-Grey	1
PY3BOŞ	3	Empty Box	Black-Grey	1
PY4BOŞ	4	Empty Box	Black-Grey	1
PY6BOŞ	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 orders Special orders from the Selection Table will be delivered as dismounted if the quantity is less than 50 pcs.

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
PK1BOŞ	1	Empty Box	Black-Grey	24
PK2BOŞ	2	Empty Box	Black-Grey	18
PK3BOŞ	3	Empty Box	Black-Grey	18
PK4BOŞ	4	Empty Box	Black-Grey	12
PK5BOŞ	5	Empty Box	Black-Grey	6
PK6BOŞ	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

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

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

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 colour in the next page, 2nd Hole is push button where is 7. line and C colour in the next page, 3rd Hole push button where is 58. line and L colour in the next page, Label A means BET08.

Note: You can use Selection Table for your P, PY and M Boxes orders Special orders from the Selection Table will be delivered as dismantled 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-00	CM100S21	CM200E	CM060XK	MB100DB-00	MB100S21	MB102E	MBSD024K
03	B100DB-2	B100S30	B100MH	B030XM	CM100DB-0Y	CM101S30	CM200EG	CM070XM	MB100DH	MB101S30	MB102MK	MBSD024M
04	B100DB-L	B100SL20B	B100MK	B030XS	CM100DH	CM101S31	CM200MK	CM080XS	MB100DK	MB101S31	MB200E	MBSD024S
05	B100DB-0D	B100SL20H	B100MS	B030XY	CM100DH-00	CM101S32	CM200MY	CM090XY	MB100DM	MB101S32	MB200MK	MBSD024Y
06	B100DB-0Y	B100SL20K	B100MS-Z	B050XB	CM100DK	CM102S30	CP100E	CM080XB	MB100DS	MB102S20	MB200E-E	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-0D	B100SL20Y	B102E30	B070XM	CM100DY	CP100S21	CP100MY	CM0S0XS	MB100MY			MBSD220S
10	B100DH-0Y	B100SL21B	B102E60	B080XS	CM101DH	CP100S30	CP101ES30	CM0Y0XY	MB101DH			MBSD220Y
11	B100DK	B100SL21K	B102MH	B090XY	CM101DK	CP100S31	CP200E	CM101DJ20	MB101DK			MBSD224B
12	B100DM	B100SL21Y	B102MK	B080XB	CM101DM	CP100S32	CP200E30	CM101DJ21	MB101DM			MBSD224K
13	B100DS	B100SL30K	B102MY	B0K0XK	CM101DS	CP101S20	CP200E30	CP050XB	MB101DY			MBSDP024M
14	B100DS-Z	B101S20	B200E	B0M0XM	CM101DY	CP101S21	CP200ECN	CP060XK	MB102DB			MBSDP024S
15	B100DY	B101S21	B200E30	B0S0XS	CM101K20YY-0K	CP101S30	CP200ECN30	CP070XM	MB102DB-0D			MBSDP024Y
16	B100DY-1	B101S30	B200E60	B0Y0XY	CM102DB	CP101S31	CP200ECS30	CP080XS	MB102DH			MBSDP220B
17	B100DY-2	B101S31	B200E-E	B100AA20	CM102DK	CP101S32	CP200EP	CP090XY	MB102DK			MBSDP220K
18	B100DY-0D	B101S32	B200MH	B100AA21	CM102DM	CP102S30	CP200ES30	CP080XB	MB102DM			MBSDP220M
19	B100DY-0Y	B101SL20B	B200MK	B100AC20	CM102DS	CP303S30	CP200MK	CP0K0XK	MB102DS			MBSDP220S
20	B100HB	B101SL20H	B200MS	B100AC30	CM102DY	CP304S20	CP200MY	CP0M0XM	MB102DY			MBSDP220Y
21	B100HH	B101SL20K	B200MY	B100C	CM102K20HB	CP305S30	CP202E	CP0S0XS	MB200DB			MBZS024S
22	B100HK	B101SL20M	B202E-E	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-0D	B101SL30K		B100FS	CM102K21KY	CP100HS		CM100A20	MB200DY			
27	B101DH	B101SL30M		B100FY	CM200DH-0	CP100HY		CM100A21	MB200FK			
28	B101DM	B101SL30S		B101AA30	CM200DK	CP101HY		CM100A30	MB202DK			
29	B101DY	B101SL30Y		B101AA32	CM200DY	CP102HB		CM101A20				
30	B101DY-0D	B101SL31K		B101AC30	CM202DK	CP102HH		CM101A21				
31	B101HY	B101SL31Y		B101K20BB-12	CM305DY	CP102HK		CM101A30				
32	B102DB	B101SL32B		B101K20HB	CP100DB	CP102HM		CP200AC20				
33	B102DB-0D	B101SL32K		B101K20HH	CP100DB-0D	CP102HS		CP102AA20				
34	B102DH	B101SL32S		B101K20HH-0K	CP100DB-0Y	CP102HY		CP102AA30				
35	B102DK	B101SL32Y		B101K20SS-12	CP100DH	CP200HK		CP102AC30				
36	B102DM	B101T20		B101K20YY-12	CP100DH-0D	CP200HY		CP101AA20				
37	B102DS	B101T20-1		B101K20YY-0K	CP100DH-0Y	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-0K	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-0	B131SL30K			CP200DY			CM200HK				
61	B200DK	B131SL30M			CP202DK			CM200HY				
62	B200DK-0	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										



PDKS11GX42

Foot Switches



PD1



PDM1-1

Plastic Series

Code	Type	Contact Block	Colour	Box/Pcs
PDM1	Mini	1 CO	●	10
PDM1-1	Mini, Cable (1m.)	1 CO	●	10
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

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

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



PPKS11BX10



PDKS11BX10



PDKS11GX42



PDNS11BX10

Double Foot Switch

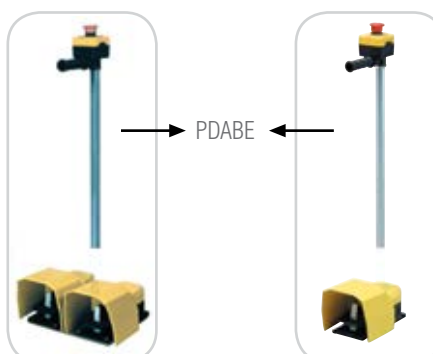
Code	Material	Metal Bar Mountable	Contact Block	Speed	With Protection	Box/Pcs
PDKA22BB10	Aluminium	√	(1NO+1NC) + (1NO+1NC)		√	1
PDKA22BG10	Aluminium	√	(1NO+1NC) + 2x (1NO+1NC)		√	1
PDKA22BG20	Aluminium	√	(1NO+1NC) + 2x (1NO+1NC)	Double	√	1
PDKA22GG10	Aluminium	√	2x (1NO+1NC) + 2x (1NO+1NC)		√	1
PDKA22GG20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



PDKA22GG10

Accessories

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



PDKA22BB10

PDKA11GX10



L51K13MIP211



L52K13MIP211



L53K13MIP211

Limit Switches



L1K13MEM12



L1K13MIM11



L1K13MEL22



L1K13PUM21



L2K13MIM31



L2K13MEP123



L2K13SOP11



L2K13SOM10



L3K13MIM41



L3K13MEP124



L3K13MUM33



L3K13REF121



L3K13MIP31



L3K13MEM12

L1 Series, Aluminium Body, Snap Action, IP 65 (except MIP11, MIM11)

Code	Actuator	Actuator Type	Actuator End Unit Material
L1K13MIP11*	Angular Action Roller One Way	Metal	Plastic
L1K13MIM11*	Angular Action Roller One Way	Metal	Metal
L1K13MIP21*	Angular Action Roller One Way	Aluminium	Plastic
L1K13MIM21*	Angular Action Roller One Way	Aluminium	Metal
L1K13MIP31*	Angular Action Roller One Way	Plastic	Plastic
L1K13MIM31*	Angular Action Roller One Way	Plastic	Metal
L1K13MEP12*	Angular Action Roller Two Way	Plastic	Plastic
L1K13MEM12*	Angular Action Roller Two Way	Plastic	Metal
L1K13MEL22*	Angular Action Roller Two Way, Adjustable	Plastic	Rubber
L1K13PUM21*	Plunger	Plastic	Metal
L1K13MUM33*	Linear Roller	Plastic	Metal
L1K13SOM10	Spiral Lever	Plastic	Metal
L1K13SOM11	Spiral Arm	Plastic	Metal
L1K13ROP10*	Rigid Rod	Plastic	Plastic
L1K13SOP10	Spiral Arm	Plastic	Plastic-Metal
L1K13SOP11	Spiral Arm	Plastic	Plastic-Metal
L1K13SOP12	Spiral Arm	Plastic	Plastic-Metal

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

Code	Actuator	Actuator Type	Actuator End Unit Material
L2K13MIP21*	Angular Action Roller One Way	Aluminium	Plastic
L2K13MIM21*	Angular Action Roller One Way	Aluminium	Metal
L2K13MIP31*	Angular Action Roller One Way	Plastic	Plastic
L2K13MIM31*	Angular Action Roller One Way	Plastic	Metal
L2K13MEP12*	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
L2K13MEL22*	Angular Action Roller Two Way, Adjustable	Plastic	Rubber
L2K13MEM12*	Angular Action Roller Two Way	Plastic	Metal
L2K13MEM123*	Angular Action Roller Two Way	Plastic	Metal
L2K13MEM124*	Angular Action Roller Two Way	Plastic	Metal
L2K13PUM21*	Plunger	Plastic	Metal
L2K13MUM33*	Linear Roller	Plastic	Metal
L2K13SOM10	Spiral Lever	Plastic	Metal
L2K13SOM11	Spiral Arm	Plastic	Metal
L2K13ROP10*	Rigid Rod	Plastic	Plastic
L2K13SOP10	Spiral Arm	Plastic	Plastic-Metal
L2K13SOP11	Spiral Arm	Plastic	Plastic-Metal
L2K13SOP12	Spiral Arm	Plastic	Plastic-Metal

L3 Series, Plastic Body, Snap Action, IP 65

Code	Actuator	Actuator Type	Actuator End Unit Material
L3K13MIP31*	Angular Action Roller One Way	Plastic	Plastic
L3K13MIP41*	Angular Action Roller One Way	Plastic	Plastic
L3K13MIM31*	Angular Action Roller One Way	Plastic	Metal
L3K13MIM41*	Angular Action Roller One Way	Plastic	Metal
L3K13MEP12*	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
L3K13MEM12*	Angular Action Roller Two Way, Adjustable	Plastic	Metal
L3K13MEM123*	Angular Action Roller Two Way, Adjustable	Plastic	Metal
L3K13MEM124*	Angular Action Roller Two Way, Adjustable	Plastic	Metal
L3K13MEL22*	Angular Action Roller Two Way, Adjustable	Plastic	Rubber
L3K13PUM21*	Plunger	Plastic	Metal
L3K13MUM33*	Linear Roller	Plastic	Metal
L3K13SOM10	Spiral Lever	Plastic	Metal
L3K13SOM11	Spiral Arm	Plastic	Metal
L3K13ROP10*	Rigid Rod	Plastic	Plastic
L3K13SOP10	Spiral Arm	Plastic	Plastic-Metal
L3K13SOP11	Spiral Arm	Plastic	Plastic-Metal
L3K13SOP12	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



L4K16MIM31



L4K16MEP12

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

Code	Actuator	Actuator Type	Actuator End Unit Material
L4K16MIM11	Angular Action Roller One Way	Metal	Metal
L4K16MIP11	Angular Action Roller One Way	Metal	Plastic
L4K16MIP21	Angular Action Roller One Way	Aluminium	Plastic
L4K16MIM21	Angular Action Roller One Way	Aluminium	Metal
L4K16MIP31	Angular Action Roller One Way	Plastic	Plastic
L4K16MIM31	Angular Action Roller One Way	Plastic	Metal
L4K16MEP12	Angular Action Roller Two Way	Plastic	Plastic
L4K16MEM12	Angular Action Roller Two Way	Plastic	Metal
L4K16PUM21	Plunger	Plastic	Metal
L4K16MUM33	Linear Roller	Plastic	Metal



L5K13MIP311



L5K13MIP411



L5K13MEP123



L5K13MEP124



L5K13MUM331



L5K13MUM332R



L5K13MIP211



L5K13MEL121

L5 Series, Plastic Body, Snap Action, IP 65

Code	Actuator	Actuator Type	Actuator End Unit Material
L5K13MIP211*	Angular Action Roller One Way(22mm)	Plastic	Plastic
L5K13MIP311*	Angular Action Roller One Way	Plastic	Plastic
L5K13MIP411*	Angular Action Roller One Way	Plastic	Plastic
L5K13MIP411R*	Angular Action Roller One Way, with Reset	Plastic	Plastic
L5K13MIM211*	Angular Action Roller One Way(22mm)	Plastic	Metal
L5K13MIM311*	Angular Action Roller One Way	Plastic	Metal
L5K13MIM411*	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
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
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

NEW



L51K13MIP211



L51K13MIM311



L51K13MIM411



L51K13MEM121



L51K13MEM122



L51K13SOM101



L51K13SOM102



L51K23LUM321



L52K23HUM112

NEW



L52K13MIP211



L52K13MIM311



L52K13MIM411



L52K13MEP123



L52K13MEP124



L52K13MUM331



L52K13PUM211



L52K13REF121



L52K13REM121

L51 Series, Metal Body, Snap Action, IP 65

Code	Actuator	Actuator Type	Actuator End Unit Material
L51K13MIP211	Angular Action Roller One Way	Metal	Plastic
L51K13MIP311*	Angular Action Roller One Way	Metal	Plastic
L51K13MIM311*	Angular Action Roller One Way	Metal	Metal
L51K13MIM411*	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
L52K13MIP211	Angular Action Roller One Way	Metal	Plastic
L52K13MIP311*	Angular Action Roller One Way	Metal	Plastic
L52K13MIP411*	Angular Action Roller One Way	Metal	Plastic
L52K13MIM311*	Angular Action Roller One Way	Metal	Metal
L52K13MIM411*	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

NEW



L53K13MIP211



L53K13MIM311



L53K13MEP125



L53K13MEL123



L53K13MEL123A



L53K13PUM211



L53K13MUM331



L53K13SOM102



L53K13SOP103



L53K13SOM102



L53K13SOP103



L61K13MUM331



L66K13MEP121

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
L53K13MIP211	Angular Action Roller One Way	Metal	Plastic
L53K13MIP311*	Angular Action Roller One Way	Metal	Plastic
L53K13MIP411*	Angular Action Roller One Way	Metal	Plastic
L53K13MIM311*	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

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 ➔

Spare Parts of Limit Switches



LD11MIP11

LD22MIP21



LD23MIP41

LD23MEM12



LD23SOP10

LD23ROP10



LD33MIP311

LD33MUM331



LA33LUM323

LA33LUM324

Actuator

Code	Body Type	Actuator Type	End Unit Material	Features	Box/ Pcs
LD11MIP11	L1,L4	Angular Action Roller One Way	Plastic	Metal Sheet Construction	20
LD11MIM11	L1,L4	Angular Action Roller One Way	Metal	Metal Sheet Construction	20
LD22MIP21	L1,L2,L4	Angular Action Roller One Way	Plastic	Metal Construction	20
LD22MIM21	L1,L2,L4	Angular Action Roller One Way	Metal	Metal Construction	20
LD23MIP31	L1,L2,L3,L4	Angular Action Roller One Way	Plastic	Plastic Construction	20
LD23MIM31	L1,L2,L3,L4	Angular Action Roller One Way	Metal	Plastic Construction	20
LD23MIP41	L3	Angular Action Roller One Way	Plastic	Plastic Construction with Angle	20
LD23MIM41	L3	Angular Action Roller One Way	Metal	Plastic Construction with Angle	20
LD23MEP12	L1,L2,L3,L4	Angular Action Roller Two Way	Plastic	Plastic Construction - Rotating Arm	20
LD23MEM12	L1,L2,L3,L4	Angular Action Roller Two Way	Metal	Plastic Construction - Rotating Arm	20
LD23PUM21	L1,L2,L3,L4	Plunger	Metal	Plastic Construction	20
LD23MUM33	L1,L2,L3,L4	Linear Roller	Metal	Plastic Construction	20
LD23SOM10	L1,L2,L3	Spiral Lever	Metal	Plastic Construction - Multi Way	20
LD23SOM11	L1,L2,L3	Spiral Arm	Metal	Plastic Construction - Multi Way	20
LD23SOP10	L1,L2,L3	Spiral Arm	Plastic	Plastic Construction - Multi Way	20
LD23SOP11	L1,L2,L3	Spiral Arm	Plastic	Plastic Construction - Multi Way	20
LD23SOP12	L1,L2,L3	Spiral Arm	Plastic	Plastic Construction - Multi Way	20
LD23ROP10	L1,L2,L3	Rigid Rod	Plastic	Plastic Construction - Multi Way	20
LD23MEL22	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



LD51MIP311



LD51MUM331



LD51MEM124



LD51MEM123



LD51MEP123



LK20K13



LK20K25



L5K13



L52K13

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
LD51MIM311	L51, L52, L53	Angular Action Roller One Way	Metal	Metal Construction	20
LD51MIP211	L51, L52, L53	Angular Action Roller One Way	Plastic	Metal Construction	20
LD51MIP311	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


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
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
LK20K28	Slow	1 NC + 1 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

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

* Positive opening Function

The image displays three different types of S Series sensors against a background of a light grey circuit board pattern. At the top right is an Inductive Sensor with a silver threaded body and a blue cap. In the middle left is a Capacitive Sensor with a blue ribbed body and a blue cap. At the bottom right is a Photoelectric Sensor with a blue ribbed body and a blue cap. Each sensor has a white cable extending from its front. Labels for each sensor type are placed near their respective units.

Capacitive Sensors

Inductive Sensors

Photoelectric Sensors

NEW

Sensors

S Series Sensors

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

NEW



SE30DCFKP1

NEW

Inductive Sensors

Code	Body Type	Voltage	Sensing Distance	Mounting	Switching Frequency (Hz)	Connection	Output
SE30DCNCP0	M30	10-30 V DC	15 mm	Nonflush	200 Hz	Wire Connection	PNP-NC
SE30DCNCP1	M30	10-30 V DC	15 mm	Nonflush	200 Hz	Wire Connection	PNP-NO
SE30DCNCP0	M30	10-30 V DC	15 mm	Nonflush	200 Hz	Wire Connection	NPN-NC
SE30DCNCP1	M30	10-30 V DC	15 mm	Nonflush	200 Hz	Wire Connection	NPN-NO
SE30DCFKP0	M30	10-30 V DC	10 mm	Flush	400 Hz	Wire Connection	PNP-NC
SE30DCFKP1	M30	10-30 V DC	10 mm	Flush	400 Hz	Wire Connection	PNP-NO
SE30DCFKN0	M30	10-30 V DC	10 mm	Flush	400 Hz	Wire Connection	NPN-NC
SE30DCFKN1	M30	10-30 V DC	10 mm	Flush	400 Hz	Wire Connection	NPN-NO
SE18DCNCP0	M18	10-30 V DC	8 mm	Nonflush	400 Hz	Wire Connection	PNP-NC
SE18DCNCP1	M18	10-30 V DC	8 mm	Nonflush	400 Hz	Wire Connection	PNP-NO
SE18DCNCP0	M18	10-30 V DC	8 mm	Nonflush	400 Hz	Wire Connection	NPN-NC
SE18DCNCP1	M18	10-30 V DC	8 mm	Nonflush	400 Hz	Wire Connection	NPN-NO
SE18DCFKP0	M18	10-30 V DC	5 mm	Flush	800 Hz	Wire Connection	PNP-NC
SE18DCFKP1	M18	10-30 V DC	5 mm	Flush	800 Hz	Wire Connection	PNP-NO
SE18DCFKN0	M18	10-30 V DC	5 mm	Flush	800 Hz	Wire Connection	NPN-NC
SE18DCFKN1	M18	10-30 V DC	5 mm	Flush	800 Hz	Wire Connection	NPN-NO
SE12DCNCP0	M12	10-30 V DC	4 mm	Nonflush	400 Hz	Wire Connection	PNP-NC
SE12DCNCP1	M12	10-30 V DC	4 mm	Nonflush	400 Hz	Wire Connection	PNP-NO
SE12DCNCP0	M12	10-30 V DC	4 mm	Nonflush	400 Hz	Wire Connection	NPN-NC
SE12DCNCP1	M12	10-30 V DC	4 mm	Nonflush	400 Hz	Wire Connection	NPN-NO
SE12DCFKP0	M12	10-30 V DC	2 mm	Flush	800 Hz	Wire Connection	PNP-NC
SE12DCFKP1	M12	10-30 V DC	2 mm	Flush	800 Hz	Wire Connection	PNP-NO
SE12DCFKN0	M12	10-30 V DC	2 mm	Flush	800 Hz	Wire Connection	NPN-NC
SE12DCFKN1	M12	10-30 V DC	2 mm	Flush	800 Hz	Wire Connection	NPN-NO

NEW



SK30DCNCP1

NEW

Capacitive Sensors

Code	Body Type	Voltage	Sensing Distance	Mounting	Connection	Output
SK30DCNCP0	M30	10-30 V DC	3-15 mm	Nonflush	Wire Connection	PNP-NC
SK30DCNCP1	M30	10-30 V DC	3-15 mm	Nonflush	Wire Connection	PNP-NO
SK30DCNCP0	M30	10-30 V DC	3-15 mm	Nonflush	Wire Connection	NPN-NC
SK30DCNCP1	M30	10-30 V DC	3-15 mm	Nonflush	Wire Connection	NPN-NO

NEW



SF18DCDKP2

NEW

Photoelectric Sensors

Code	Body Type	Voltage	Sensing Distance	Mounting	Reaction Time	Connection	Output
SF18DCDKP2	M18	10-30 V DC	400 mm	Diffuse	2 ms	Wire Connection	PNP-1NC+1NO
SF18DCDKN2	M18	10-30 V DC	400 mm	Diffuse	2 ms	Wire Connection	NPN-1NC+1N



Sensor Tester

Sensor Test Device

Code

Sensor Tester



A11



A12



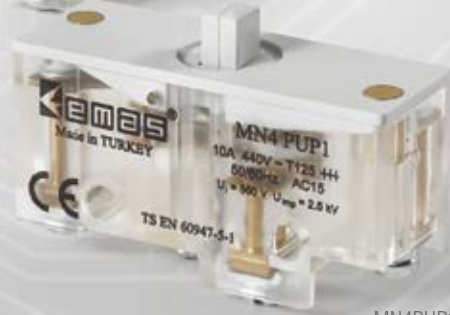
MA222



MN4MUM3



MN4KIM2



MN4PUP1

Basic Switches



MN1KIM1



MN1MIM2



MN1MUM3



MN1PUM9



MN2TIP11



MN2KIM2



MN2MIM1Y



MN2PUM9



MN3KIM1



MN3PUM9



MN4KIM2



MN4MUM3



MN4PUP1



MK1PUP1



MK1KIM1



MK1KIM5



MK1MIP3



MK1KIM31A

MN1 Series Mini Switch

Code	Contact Type	Actuator	Actuator Material	Box/Pcs
MN1KIM1	1 CO	Lever	Metal	10
MN1KIM2	1 CO	Lever	Metal	10
MN1KIM3	1 CO	Lever	Metal	10
MN1MIM1	1 CO	Roller Lever	Metal	10
MN1MIM1Y	1 CO	Roller Lever	Metal	10
MN1MIM2	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
MN2TIP11	1 Start NO	Handle	Plastic	10
MN2TIP11Y*	1 Start NO	Handle	Plastic	10
MN2TIP12	1 CO	Handle	Plastic	10
MN2KIM1	1 CO	Lever	Metal	10
MN2KIM2	1 CO	Lever	Metal	10
MN2KIM3	1 CO	Lever	Metal	10
MN2MIM1	1 CO	Roller Lever	Metal	10
MN2MIM1Y	1 CO	Roller Lever	Metal	10
MN2MIM2	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
MN3KIM1	1 CO	Lever	Metal	10
MN3KIM2	1 CO	Lever	Metal	10
MN3MIM1	1 CO	Roller Lever	Metal	10
MN3MIM2	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
MN4KIM1	1 NC+1 NO	Lever	Metal	10
MN4KIM2	1 NC+1 NO	Lever	Metal	10
MN4KIM3	1 NC+1 NO	Lever	Metal	10
MN4MIM1	1 NC+1 NO	Roller Lever	Metal	10
MN4MIM1Y	1 NC+1 NO	Roller Lever	Metal	10
MN4MIM2	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
MK1KIM1	1 CO	Lever	Metal	50
MK1KIM2	1 CO	Lever	Metal	50
MK1KIM3	1 CO	Lever	Metal	50
MK1KIM31A	1 NC	Lever	Metal	50
MK1KIM4	1 CO	Lever	Metal	50
MK1KIM5	1 CO	Lever	Metal	40
MK1MIM1	1 CO	Roller Lever	Metal	40
MK1MIM2	1 CO	Roller Lever	Metal	40
MK1MIP1	1 CO	Roller Lever	Metal	50
MK1MIP2	1 CO	Roller Lever	Plastic	40
MK1MIP3	1 CO	Roller Lever	Plastic	40



BS1022



BS1012



BS1010-E



BS1012-E



MA111



MA121



MA111K



MAK



K25001T



K25011V



Z70



Z71



Z72



Z73



Z74

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

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 KAPAK)	-	-	-	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" alphabet to end of the code

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

Elevator Door Switches

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

Illuminated Rocker Switch

Code	Features	Contact Type	Label	Colour	Box/Pcs
A11*	Illuminated	1NO	0-1	K S Y	50
A11H		1NO	0-1	H	50
A12*	Illuminated	1NO+1NO	0-1	K S Y	50
A12H		1NO+1NO	0-1	H	50
A14*	Illuminated	2NO	0-1	K S Y	50
A14H		2NO	0-1	H	50
Code	Type			Box/Pcs	
EK2	Silicon Cover			100	

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



A11



A12



A14K



EK2

PSA020AK131AQ



PSA020AK131K



PSR2



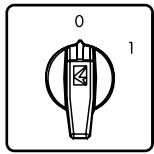
PSA063AK441E



PSA050KD334S



Rotary Cam Switches



PSA020AK131S

0-1 On-Off Cam Switches - 60°

Code	Poles	Rated Thermal Current (A)	Enclosure	Key Operated	Schema
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	-		



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

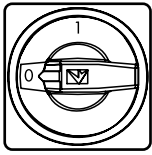
PSA010AK831S	3 Poles + Neutral	10	PSK11	✓	
PSA016AK831S	3 Poles + Neutral	16	PSK11	✓	
PSA020AK831S	3 Poles + Neutral	20	PSK11	✓	
PSA025AK831S	3 Poles + Neutral	25	PSK11	✓	
PSA032AK831S	3 Poles + Neutral	32	PSK21		
PSA040AK831S	3 Poles + Neutral	40	PSK21		
PSA050AK831S	3 Poles + Neutral	50	-		
PSA063AK831S	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 columns are available for fast mounting 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



PSA020AK141E

0-1 Safety On-Off Cam Switches - 90°

Code	Poles	Rated Thermal Current (A)	Enclosure	Key Operated	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	-		



PSA020AK241E

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	-		



PSA020AK341E

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	-		



PSA020AK441E

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	-		



PSA020AK941E

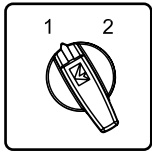
PSA010AK941E	3 Poles + Neutral	10	PSK11		
PSA016AK941E	3 Poles + Neutral	16	PSK11		
PSA020AK941E	3 Poles + Neutral	20	PSK11		
PSA025AK941E	3 Poles + Neutral	25	PSK11		
PSA032AK941E	3 Poles + Neutral	32	PSK21		
PSA040AK941E	3 Poles + Neutral	40	PSK21		
PSA050AK941E	3 Poles + Neutral	50	-		
PSA063AK941E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

* 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 columns are available for fast mounting 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



PSA020KD133S

1-2 Changeover Cam Switches - 60°

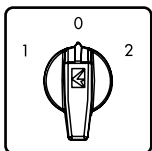
Code	Poles	Rated Thermal Current (A)	Enclosure	Key Operated	Schema
PSA010KD133S	1 Pole	10	PSK11		
PSA016KD133S	1 Pole	16	PSK11		
PSA020KD133S	1 Pole	20	PSK11		
PSA025KD133S	1 Pole	25	PSK11		
PSA032KD133S	1 Pole	32	PSK21		
PSA040KD133S	1 Pole	40	PSK21		
PSA050KD133S	1 Pole	50	-		
PSA063KD133S	1 Pole	63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

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	-		



PSA020KD134S

1-0-2 Changeover Cam Switches - 60°

Code	Poles	Rated Thermal Current (A)	Enclosure	Key Operated	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".

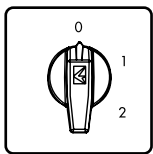
* Products are in the Key Operated columns are available for fast mounting Key Head with extra charge. In this case, replace S letter at the end of the code with AQ



PSA020KD434S

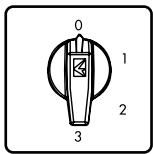
Code	Poles	Rated Thermal Current (A)	Enclosure	Key Operated	Schema
PSA010KD434S	4 Poles	10	PSK12	✓	
PSA016KD434S	4 Poles	16	PSK12	✓	
PSA020KD434S	4 Poles	20	PSK12	✓	
PSA025KD434S	4 Poles	25	PSK12	✓	
PSA032KD434S	4 Poles	32	PSK22		
PSA040KD434S	4 Poles	40	PSK22		
PSA050KD434S	4 Poles	50	-		
PSA063KD434S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

Step Cam Switches - 1 Pole



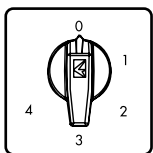
PSA020KS132S

Code	Steps	Rated Thermal Current (A)	Enclosure	Key Operated	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	-		



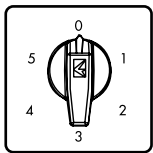
PSA020KS133S

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	-		



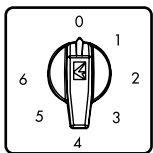
PSA020KS134S

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	-		



PSA020KS135S

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	-		



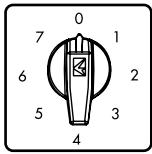
PSA020KS126S

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		

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

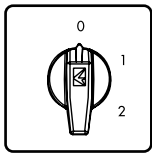
* 10-25A Cam switches could be supplied with big frame (64x64) with extra charge. In this case please replace the "S" at the end with "B".

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



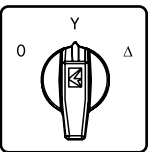
PSA020KS127S

Code	Steps	Rated Thermal Current (A)	Enclosure	Key Operated	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	-		



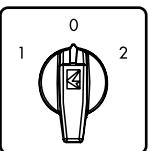
PSA020KT132S

Step Cam Switches- 60°						
Code	Poles	Rated Thermal Current (A)	Steps	Enclosure	Key Operated	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	✓	



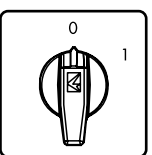
PSA020MS335S

Star-Delta Cam Switches- 60°						
Code	Steps	Rated Thermal Current (A)	Enclosure	Key Operated	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	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	-	-		



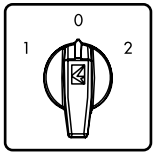
PSA020MS331S

Code	Poles	Rated Thermal Current (A)	Steps	Enclosure	Key Operated	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"

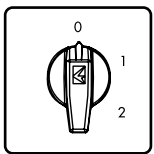
* 10-25A Cam switches could be supplied with big frame (64x64) with extra charge. In this case please replace the "S" at the end with "B".

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



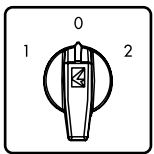
PSA020MS334S

Code	Poles	Rated Thermal Current (A)	Steps	Enclosure	Key Operated	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	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	-			



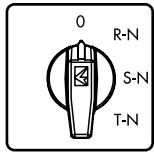
PSA016CD334S

3 Phase Double Cycle Motor Control Cam Switches (1-0-2)						
Code	Steps	Rated Thermal Current (A)	Enclosure	Key Operated	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	-			

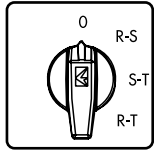
* Could be supplied with Red-Yellow head w/o extra charge, in this case please replace the "S" at the end with "E"

* 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".

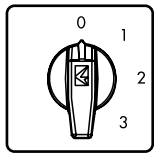
* Products are in the Key Operated columns are available for fast mounting Key Head with extra charge. In this case, replace S letter at the end of the code with AQ



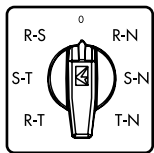
PSA0200K421S



PSA0200K422S



PSA0200K426S



PSA0200K723S



PSR1



PSR2



PSK11



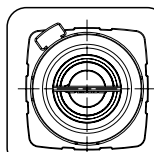
PSK21



PSK12



PSK22



PSA020AK131AQ



PSA020AK131K

Measuring Cam Switches - 45°

Code	Type	Rated Thermal Current (A)	Position	Enclosure	Key Operated	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	Amperemeter	PSK12		
PSA0160K426S	4	16	Amperemeter	PSK12		
PSA0200K426S	4	20	Amperemeter	PSK12		
PSA0200K723S	7	20	Voltmeter	PSK12		

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



EBM24FU14



EBM806PD14



EBM32PU34



EBM32PM48



EBM812PM44



EBMKE



EBMKD

Industrial Type Plugs & Sockets

Plastic Series



EBP05FU30P



EBP05PU30P



EBP05PU36P



EBP05PE41P

5 Poles, 10 A (PG 11)

Code	Type	Entry	Handle
EBM05CF00	Male Insert		
EBM05CP00	Female Insert		
EBP05GU30*	Hood	Top	
EBP05GM41*	Hood for bulkhead mounting	Bottom	✓
EBP05GE41*	Hood for bulkhead mounting	Bottom	✓
EBP05FU30*	Hood with male insert	Top	
EBP05PU30*	Hood with female insert	Top	
EBP05PM41*	Bulkhead mounting, female insert	Bottom	✓
EBP05FE41*	Sloped hood with male insert	Bottom	✓
EBP05PE41*	Sloped hood with female insert	Bottom	✓
EBP05PU31*	Hood with female insert	Top	✓
EBP05PU41*	Hood with female insert	Bottom	✓

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.

Metal Series

5 Poles, 10 A (PG 11)

Code	Type	Entry	Handle
EBM05CF00	Male Insert		
EBM05CP00	Female Insert		
EBM05GU30	Hood	Top	
EBM05GU36	Hood	Top	✓
EBM05GM46	Hood for bulkhead mounting	Bottom	✓
EBM05GE46	Sloped hood	Bottom	✓
EBM05FU30	Hood with male insert	Top	
EBM05PU30	Hood with female insert	Top	
EBM05PU36	Hood with female insert	Top	✓
EBM05PM46	Bulkhead mounting, Housing with female insert	Bottom	✓
EBM05FE46	Sloped hood with male insert	Bottom	✓
EBM05PE46	Sloped hood with female insert	Bottom	✓
EBM05FU10	Hood with male insert	Side	
EBM05PU10	Hood with female insert	Side	
EBM05PE51	Sloped hood with female insert	Bottom+ Side	✓
EBM05PE56	Sloped hood with female insert	Bottom+ Side	✓

For Plastic handle models, replace "1" instead of "6".

6 Poles, 16 A (PG 16)

Code	Type	Entry	Handle
EBM06CF00	Male Insert		
EBM06CP00	Female Insert		
EBM06GU10	Hood	Side	
EBM06GU30	Hood	Side	
EBM06GU32	Hood	Top	✓
EBM06GM42	Hood for bulkhead mounting	Bottom	✓
EBM06FU10	Hood with male insert	Side	
EBM06FU30	Hood with male insert	Top	
EBM06PU10	Hood with female insert	Side	
EBM06PU30	Hood with female insert	Top	
EBM06PU32	Hood with female insert	Top	✓
EBM06FM42	Bulkhead mounting, Housing with Male Insert	Bottom	✓
EBM06PM42	Bulkhead mounting, Housing with Female Insert	Bottom	✓
EBM06PM46	Bulkhead mounting, female insert	Bottom	✓
EBM06FD12	Surface mounting, Housing with Male Insert	Side	✓
EBM06PD12	Surface mounting, Housing with Female Insert	Side	✓

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



EBM06FU30



EBM06FM42



EBM06PU32



EBM06PU30



EBM10PU10



EBM10PU30



EBM10FD24



EBM10PM44



EBM10PM47



EBM10PD27



EBM16CP00



EBM16CF00



EBM16FU10



EBM16FM44



EBM16PD14



EBM16FD24



EBM24CP00



EBM24CF00



EBM24FU10



EBM24PU10



EBM24FD24



EBM24PM44

10 Poles, 16 A (PG 16)

Code	Type	Option	Entry	Handle
EBM10CF00	Male Insert			
EBM10CP00	Female Insert			
EBM10GU10	Hood		Side	
EBM10GU30	Hood	**	Side	
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	
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	✓
EBM10PD47	Surface mounting, Housing with female insert		Both Side	✓
EBM10TABAN	Base		None	

* 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
EBM16CF00	Male Insert		
EBM16CP00	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	✓
EBM16PD47	Surface mounting, Housing with female insert	Bottom	✓

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

24 Poles, 16 A (PG 21)

Code	Type	Entry	Handle
EBM24CF00	Male Insert		
EBM24CP00	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	✓

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



EBM32FU10



EBM32PU10



EBM32PM44



EBM32FM44

32 Poles, 16 A (PG 21)

Code	Type	Opsiyon	Entry	Handle
EBM16CF00	Male Insert (1-16)			
EBM16CP00	Female Insert (1-16)			
EBM32CF00	Male Insert (17-32)			
EBM32CP00	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	✓
EBM32PM48	Bulkhead mounting, Housing with female insert		Bottom	✓
EBM32TABAN	Base			
EBM32PU14	Hood with female insert		Side	✓
EBM32PU34	Hood with female insert		Top	

* 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.



EBM48PU10



EBM48FU10



EBM48FU30



EBM48PM44

48 Poles, 16 A (PG 29)

Code	Type	Entry	Handle
EBM24CF00	Male Insert (1-24)		
EBM24CP00	Female Insert (1-24)		
EBM48CF00	Male Insert (25-48)		
EBM48CP00	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	✓
EBM48PM48	Bulkhead mounting, Housing with female insert	Bottom	✓
EBM48TABAN	Base		
EBM48PU14	Hood with female insert	Side	✓
EBM48PU34	Hood with female insert	Top	✓

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



EBM606CP00



EBM606CF00



EBM606FU10



EBM606PD14

6 Poles, 35 A (PG 21)

Code	Type	Entry	Handle
EBM606CF00	Male Insert		
EBM606CP00	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	✓

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



EBM612PU10



EBM612PM44

12 Poles, 35 A (PG 21)

Code	Type	Entry	Handle
EBM606CF00	Male Insert (1-6)		
EBM606CP00	Female Insert (1-6)		
EBM612CF00	Male Insert (7-12)		
EBM612CP00	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	✓

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



EBM806CF00



EBM806CP00



EBM806FU10



EBM806PD14



EBM812FU30



EBM812PM44



EBMKE



EBMKD



EPREU1M



EPRUS1H

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

Code	Type	Entry	Handle
EBM806CF00	Male Insert		
EBM806CP00	Female Insert		
EBM806FU30	Hood with male insert	Top	
EBM806FM44	Bulkhead Mounting, Housing with Male Insert with 4 Roller Handle	Bottom	✓
EBM806PM44	Bulkhead Mounting, Housing with Female Insert with 4 Roller Handle	Bottom	✓
EBM806PU30	Hood with female insert	Top	
EBM806PD14	Surface mounting, Housing with female insert	Side	✓

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

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

Code	Type	Entry	Handle
EBM806CF00	Male Insert (1-6)		
EBM806CP00	Female Insert (1-6)		
EBM812CF00	Male Insert (7-12)		
EBM812CP00	Female Insert (7-12)		
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	✓
EBM812PU30	Hood with female insert	Top	

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

Accessories

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

Panel 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

Rubber Series 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	1 x 16 A
EKS325F	Plug	1 x 25 A
EKS325P	Socket	1 x 25 A
EKS325PGP30	Group Socket - 3 Way	3 x (1 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



Light Towers

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	IKM 5Z * M 03
	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	



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	IKM 7Z * M 01
	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	



*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

IKM 5 G Dia 50 mm



1-Body and Cover

IKM 7 G Dia 70 mm



* Maximum up to 5 modules can be mounted

2- Signal Modules

Heat resistant polycarbonOte material

IKM 5 50 mm



2- Signal Modules

Heat resistant polycarbonOte material

IKM 7 70 mm



3- Buzzer Modules

IKM 5Z 024
50 mm / 90 dB
IKM 5Z 220
50 mm / 90 dB



3- Buzzer Modules

IKM 7Z 024
70 mm / 90 dB
IKM 7Z 220
70 mm / 90 dB



LAMPS

4	with LED		with Flashing LED	
24 VDC	IKM L 024		IKM F 024	
	IKM L 024		IKM F 024	
	IKM L 024		IKM F 024	
	IKM L 024		IKM F 024	
	IKM L 024		IKM F 024	
220 VAC	IKM L 220		IKM F 220	
	IKM L 220		IKM F 220	
	IKM L 220		IKM F 220	
	IKM L 220		IKM F 220	
	IKM L 220		IKM F 220	

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

5-Connection

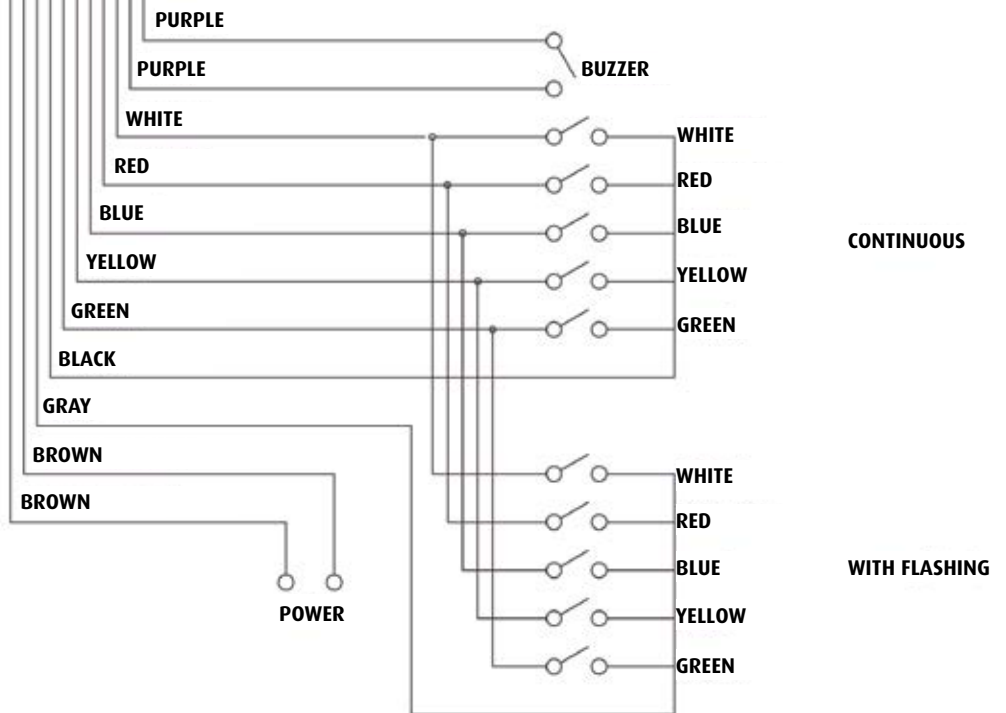
IKA M 01	100 mm Plastic base (Standard for Dia.70 mm, not applicable for Dia 50)
IKA M 02	20 mm Aluminium base
IKA M 03	100 mm Aluminium base (Standart for Dia 50 mm)
IKA M 04	500 mm Aluminium base
IKA D 01	Wall Connection, 100 mm Aluminium
IKA D 02	Adjustable wall elbow
IKA B 10	10 cm Aluminium pipe

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

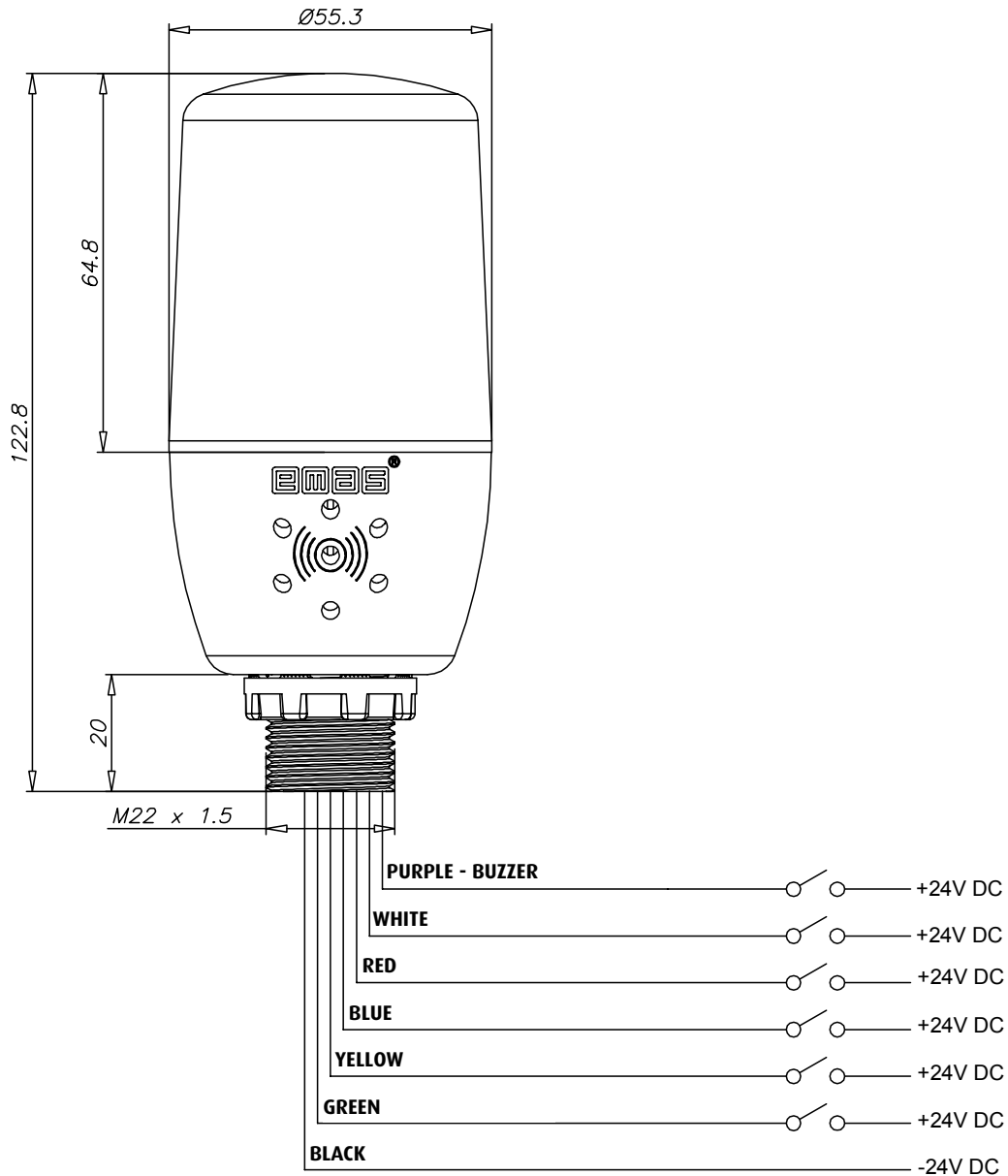


IF Series

- 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*024X05	LED	Single Colour	24V AC/DC	1
IF5*024Z05	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 choice 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



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

Accessories



MKS1-KES

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



MKS1-YKD00



MKS1-DGR-5

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" alphabet to end of the code (Please ask prices)



SK5P

Switch Actuated		
Code	Remote Control	Copper Float
SK5P	√	
SK5B		√



Contactors

HN Series Contactors



HN0601NU



HN0901NU



HN1301NU



HN40NU



HN65NU

Code	Rated Current (A) 380V AC3	Rated Thermal Current (A) Ith	Auxiliary Contacts	Power (kW)			Box/Pcs
				220-240V	380-415V	660V	
HN0601N*	6	20	1 NC	1,5	3	4	1
HN0610N*	6	20	1 NO	1,5	3	4	1
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



HNYB11

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
HNYB11	17-65 A Auxiliary Contact Block	1 NO + 1 NC	5

Contactor Coil

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

* For Voltage selection, please use below codes.



IH13U

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



JA25A

Thermal Relay

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
JA25O	10.0 - 15.0	1
JA25P	13.5 - 20.0	1
JA25Q	18.0 - 26.0	1



HJ12X09UB

Direct Starters with Contactor and Thermal Relay

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, S100K'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	
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 Type 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: Gray

with patented by EMAS
and with Digital and
Analog models ECKR

- Protects all devices in your house against voltage changes after power cuts
- Utilization from electricity as securely
- Protects from electrical surges, damage of ascent and descent of voltage in your workplaces; as equipment and control panel of your Machinery, PLC panels, computers, monitors, TV screens and all other electrical appliances.



ECKR1A



ECKR1D

Electronic Relays

- Protection against to voltage changes after power cuts.
- Protection against to high energy peaks. Protection against to Low (<150V) and High (>260V) voltage levels.
- Adjustable operation delay (10-99 sec.)
- 2 protection mode
- With LED display for output and protection mode
- 3 digit display (ECKR1D)
- Mountable to 35 mm rail

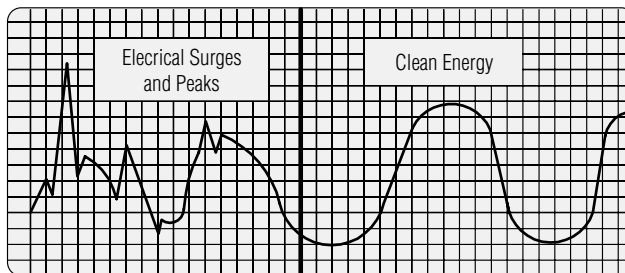
NEW

ECKR Electrical Device Protection Relay

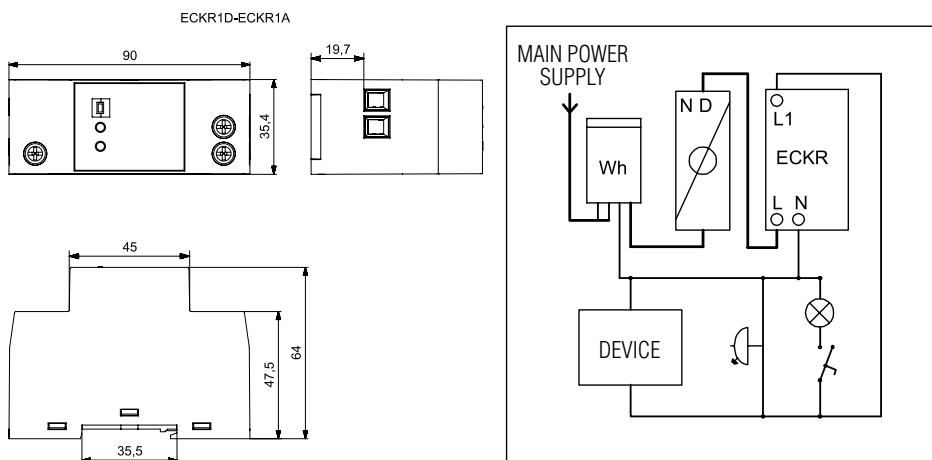
Protection against to voltage changes after power cuts.

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	I _p 50 Amp.
Protection Capacity	125 J (joules)
Standart	TS EN 60255



ECKR APPLICATION SCHEMA



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

Analog Time Relays



RZ1A1A12S-25

Single Relay					
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



RZ1A2C06S-2

Double Relay					
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



RZ1D1B-1

Digital Time Relays

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



RZ1D1C-5

Digital Counters

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



RDA1A

Digital Panelmeters

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



RAM1S

Motor Protection Relay

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



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
CP200EK30		1 NC	30	●	10
CP200EP	With Window	1 NC	40	●	10
CM200E	Mushroom	1 NC	40	●	10



B200E30



B200E-E

B Series Emergency Stop

Code	Type	Contact Block	Dia (mm)	Colour	Box/Pcs
B200E30	Cylindric	1 NC	30	●	10
B102E30	Cylindric	1 NO + 1 NC	30	●	10
B200E		1 NC	40	●	10
B200E-E	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



KB12E

KB Series Emergency Stop

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



P1EC400E40-K



P1C400E-72

P Series

Code	Button Qty	Features	Box Colour	Box/Pcs
P1EC400E40	Single	Emergency Stop	Yellow-Black	1
P1EC400E40-K	Single	Emergency Stop, With Plate	Yellow-Black	1
P1C400E-72	Single	72mm. Emergency Stop	Grey-Black	1



M1C200E40

M Series (Metal)

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



L5K23LEM411



L5K23BEM621

Limit Switches

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

NEW



L5K23LUM324



L5K23LUM323



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
CEKP	3 Holes	
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



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

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



PV7E30B444



PV9E30B4444



PV9E30B222AA20



PVÇHBD - PVÇHSD - PVTHBD - PVTHSD

PV Series Spare Parts

Code	Type	Speed	Colour	Box/Pcs
PVB1	Start Contact Block		●	20
PVB2	Stop Contact Block		●	20
PVÇHBD	Button	Double Speed	○	20
PVÇHSD	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

NEW



VT2050

NEW



VT4300

Rotational Limit Switch, IP67

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
VTKAPLİN



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
PA4-01	4	1 Emergency, 1 Round, 1 Double, 1 Rotary Cam Switch	Yellow-Black	1
PA5-01	5	2 Arrow Signed, 1 Emergency Stop, 1 Rotary Cam Switch, 1 Signal, 1 Socket	Yellow-Black	1
PA6-01	6	1 Emergency Stop, 1 Double, 2 Selector, 1 Cam Switch, 1 Round	Yellow-Black	1
PA8-01	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.

NEW



PA1E40K

NEW



PA2E40P1



PA3E40K2P1



PA4-01



PA5-01



PA6-01



PA8-01



PA9E40P2



Z70



Z71



Z73



Z74

Elevator Door Switches

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



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

B Series Push Buttons Selection Table

Series	Contact Block CombiNOtion			Button Type	Colour
B	1	K	2	D	K
B B Series Ø 22 mm Push Buttons	1 Start - For Button 2 Stop - For Button	0 Without Contact Block 1 Start - For Button 2 Stop - For Button		Stringed Type Buttons D Flush F Stay - Put H Extended M Mushroom Ø 40 mm Key Operated Type Buttons AA20 Key Operated, 2 Position, Stay - Put (0-1) ↕ AA21 Key Operated, 2 Position, Spring Return (0-1) ↕↗ AA30 Key Operated, 3 Position, Stay - Put (II-0-I) ↕ AA31 Key Operated, 3 Position, Single Spring Return (II-0-I) ↕↗ AA32 Key Operated, 3 Position, Double Spring Return (II-0-I) ↕↗↗ AC20 Key Operated, 3 Position, Stay - Put (II-0-I) ↕↗ AC30 Key Operated, 3 Position, Stay - Put (II-0-I) ↕↗↗ ⚠ Taking key out position Selector Switch Type Buttons S20 Selector Switch, 2 Position, Stay - Put (0-1), 60° ↕ S21 Selector Switch, 2 Position, Spring Return (0-1), 60° ↕↗ S30 Selector Switch, 3 Position, Stay - Put (II-0-I), 60° ↕ S31 Selector Switch, 3 Position, Single Spring Return (II-0-I), 60° ↕↗ S32 Selector Switch, 3 Position, Double Spring Return (II-0-I), 60° ↕↗↗ SL20 Selector Switch, 2 Position, Illumination Stay - Put (0-1) ↕ SL21 Selector Switch, 2 Position, Illumination Spring Return (0-1) ↕↗ SL30 Selector Switch, 3 Position, Illumination Stay - Put (II-0-I) ↕ SL31 Selector Switch, 3 Position, Illumination Single Spring Return (II-0-I) ↕↗ SL32 Selector Switch, 3 Position, Illumination Double Spring Return (II-0-I) ↕↗↗ T20 Selector Switch, 2 Position, Stay - Put (0-1), 90° ↕ T21 Selector Switch, 2 Position, Spring Return (0-1), 90° ↕↗ R20 Selector Switch, 2 Position, Stay - Put (0-1), 45° ↕ R21 Selector Switch, 2 Position, Spring Return (0-1), 45° ↕↗ Emergency Stop Buttons E30 Emergency Stop, Cylindrical Head Ø 30 mm E Emergency Stop Ø 40 mm E-E Emergency Stop Ø 40 mm E60 Emergency Stop Ø 60 mm Double Head Buttons K20 Double Head K21 Double Head, 1 Extended K22 Double Head, 2 Extended B20 Big Double Head B30 Triple Head 1 Extended Stop C Handle Switch X Signal	Button Colour B White K Red M Blue S Yellow Y Green H Black Mat
	Illumination Block Type O Without Illumination B 100-230 V AC/DC With White Led K 100-230 V AC/DC With Red Led M 100-230 V AC/DC With Blue Led S 100-230 V AC/DC With Yellow Led Y 100-230 V AC/DC With Green Led 5 12-30 V AC/DC With White Led 6 12-30 V AC/DC With Red Led 7 12-30 V AC/DC With Blue Led 8 12-30 V AC/DC With Yellow Led 9 12-30 V AC/DC 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 3* Illumination Block - Suitable socket for Neon Lamp				
	* Only For B Series Push Buttons				
Example: B1K2DK → B series, start-stop, 100-230 V AC/DC with red led, red colored, flush flat type button has been selected.					

C Series Push Buttons Selection Table

Series	Contact Block Combination	Button Type	Colour
CM	1 K 2	D	K

CP CP Series Ø 22 mm Push Buttons

CM CM Series Ø 22 mm Push Buttons

0	Without Contact Block	
1	Start - For Button	
2	Stop - For Button	
3	Start - Start Tandem	
4	Start - Stop Tandem	
5	Stop - Stop Tandem	
6	Start - Start Vertical	
7	Start - Stop Vertical	
8	Stop - Stop Vertical	
9	Start - Stop at One Contact	

Illumination Block Type

O	Without Illumination
B	100-230 V AC/DC With White Led
K	100-230 V AC/DC With Red Led
M	100-230 V AC/DC With Blue Led
S	100-230 V AC/DC With Yellow Led
Y	100-230 V AC/DC With Green Led
5	12-30 V AC/DC With White Led
6	12-30 V AC/DC With Red Led
7	12-30 V AC/DC With Blue Led
8	12-30 V AC/DC With Yellow Led
9	12-30 V AC/DC 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

Stringed Type Buttons

D	Flush
M	Mushroom Ø 40 mm
H	Extended

Key Operated Type Buttons

AA20	Key Operated, 2 Position, Stay - Put (0-1) ↕
AA21	Key Operated, 2 Position, Spring Return (0-1) ↕↖
AA30	Key Operated, 3 Position, Stay - Put (II-0-I) ↕
AA31	Key Operated, 3 Position, Single Spring Return (II-0-I) ↕↖
AA32	Key Operated, 3 Position, Double Spring Return (II-0-I) ↕↖↗
AC20	Key Operated, 3 Position, Stay - Put (II-0-I) ↕↖
AC30	Key Operated, 3 Position, Stay - Put (II-0-I) ↕↖↗

↕ Taking key out position

Selector Switch Type Buttons

S20	Selector Switch, 2 Position, Stay - Put (0-1), 60° ↘
S21	Selector Switch, 2 Position, Spring Return (0-1), 60° ↘↖
S30	Selector Switch, 3 Position, Stay - Put (II-0-I), 60° ↘
S31	Selector Switch, 3 Position, Single Spring Return (II-0-I), 60° ↘↖
S32	Selector Switch, 3 Position, Double Spring Return (II-0-I), 60° ↘↖↗

Joystick

DJ20	Joystick, 2 Position, Stay - Put
DJ21	Joystick, 2 Position, Spring Return
DJ40	Joystick, 4 Position, Stay - Put
DJ41	Joystick, 4 Position, Spring Return

Emergency Stop Buttons, Twist On/Release On (Only For CP Plastic Series)

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

* Sudden Locking

Double Head Buttons

K20	Double Head
K21	Double Head, 1 Extended
X	Signal

Button Colour

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

Example: CM1K2DK → CM series, start-stop, 100-230 V AC/DC with red led, red, round type button has been selected.

D Series Push Buttons Selection Table

Series	Contact Block CombiNOtion			Button Shape	Button Type	Colour
D	1	6	2	D	D	K
D D Series Ø 16 mm Push Buttons	Contact Block Type 0 Without Contact Block 1 Start - For Button 2 Stop - For Button			Button Shape D Rectangle K Square Y Round	Stringed Type Buttons D Flush Selector Switch Type Buttons S20 Selector Switch, 2 Position, Stay - Put (0-1) √ S21 Selector Switch, 2 Position, Spring Return (0-1) ↗ S30 Selector Switch, 3 Position, Stay - Put (II-0-I) √ S31 Selector Switch, 3 Position, Single Spring Return (II-0-I) √ S32 Selector Switch, 3 Position, Double Spring Return (II-0-I) ↗↗	
	Illumination Block Type 5 24 V AC/DC With White Led 6 24 V AC/DC With Red Led 7 24 V AC/DC With Blue Led 8 24 V AC/DC With Yellow Led 9 24 V AC/DC With Green Led				Emergency Stop Buttons E30 Emergency Stop Ø 30 mm Mushroom Buttons M30 Mushroom Ø 30 mm Double Head Buttons X Sinyal	
						Button Colour B White K Red M Blue S Yellow Y Green H Black Mat

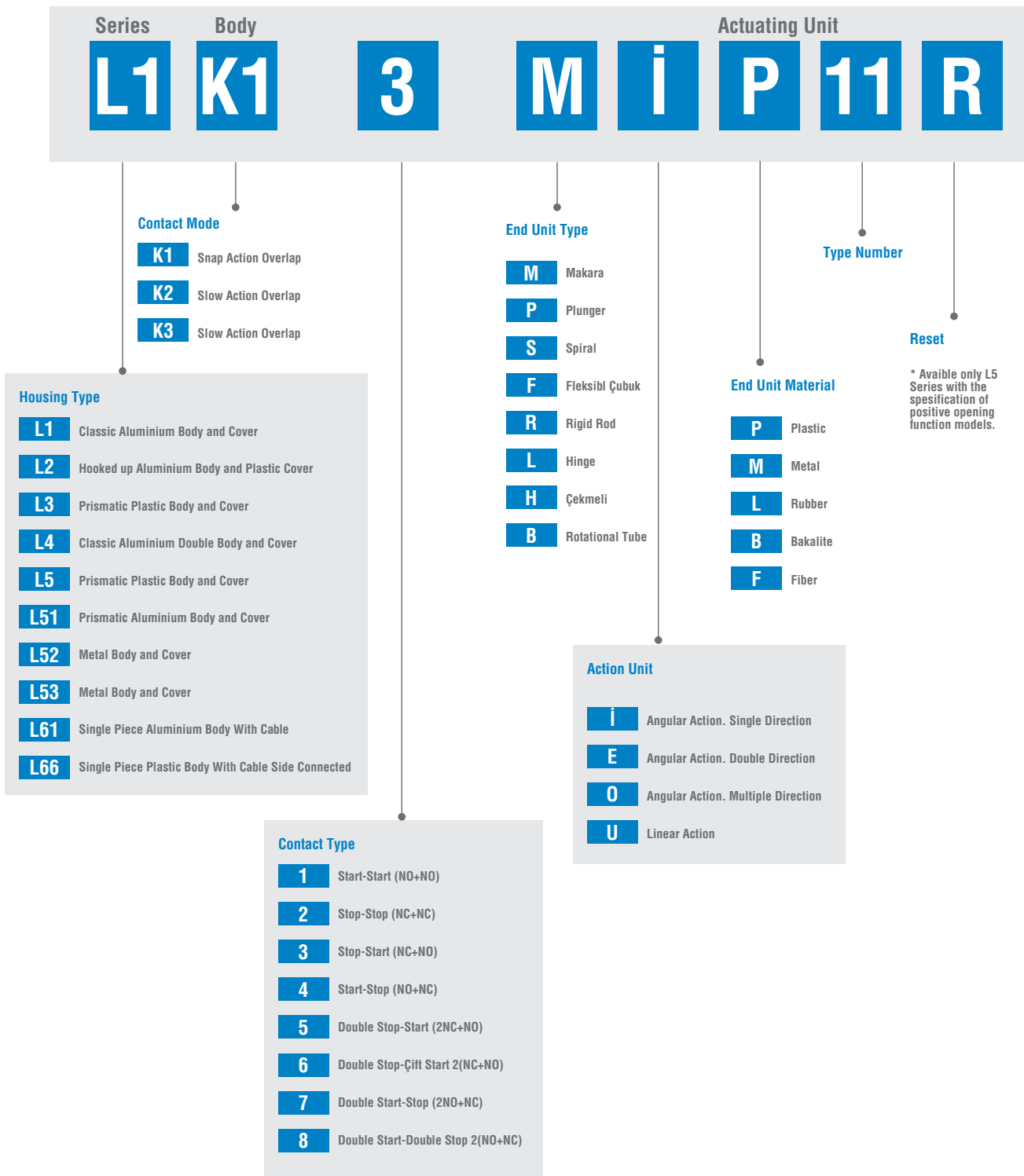
Example: D192DDY → D series, start - stop, 24 V AC/DC with red Led, red, flush and rectangle button has been selected.

MB Series Push Buttons Selection Table

Series	Contact CombiNOtion		Button Type	Colour
MB	1	0	D	K
MB MB Series Ø22 mm Push Buttons	1 Start 2 Stop	1 Start 2 Stop	Stringed Type Buttons D Flush F Stay - Put, Round Selector Switch Type Buttons S20 Selector Switch, 2 Position, Stay - Put (0-1)∨ S21 Selector Switch, 2 Position, Spring Return (0-1)↗ S30 Selector Switch, 3 Position, Stay - Put (II-0-1)∨ S31 Selector Switch, 3 Position, Single Spring Return (II-0-1)↘ S32 Selector Switch, 3 Position, Double Spring Return (II-0-1)↗↘ Monoblock Mushroom Buttons M Ø 40 mm Monoblock Mushroom Button Emergency Stop Buttons E Emergency Stop Ø 40 mm E-E Emergency Stop Ø 40 mm, With Label	Button Colour B White K Red M Blue S Yellow Y Green H Black Mat

Example: MB102DY → MB series, start-stop, flat type, green push button has been selected.

Limit Switches Selection Table



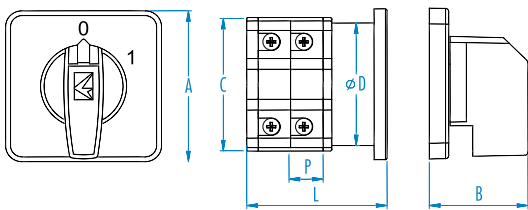
Example: L1K13MİP11 is shown.

S Series Proximity Switches Selection Table

Series	Model	Housing Type	Voltage	Mounting Type	Connection	Cable Length	Output
S	E	30	DC	F	K	2	P0
S S Series Proximity Switches	E Inductive K Capacitive F Photoelectric	Housing Measure 12 M12 18 M18 30 M30	DC 10-30 VDC	Inductive Proximity Switches F Flush N Nonflush Photoelectric Proximity Switches R Reflector D Diffuse	Connection K Wire Connection	Cable Length 2 2 meter 3 3 meter	Mounting Type P1 PNP Normally Open P0 PNP Normally Closed N1 NPN Normally Open N0 NPN Normally Closed Photoelectric Proximity Switches P2 PNP NO+NC N2 NPN NO+NC

Example: SE30DCFKP0 → S series, inductive, housing type M30, 10-30 V DC, flush, wire connection, PNP normally open sensor.

PSA Cam Switches Selection Table



	L												
	A	B	C	D	P	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

MOUNTING TO PANEL COVER		<table border="1"> <thead> <tr> <th></th> <th>a</th> <th>b</th> <th>c</th> <th>d</th> </tr> </thead> <tbody> <tr> <td>PSA10</td> <td>36</td> <td>30</td> <td>9,5</td> <td>4,3</td> </tr> <tr> <td>PSA16</td> <td>36</td> <td>30</td> <td>9,5</td> <td>4,3</td> </tr> <tr> <td>PSA20</td> <td>36</td> <td>30</td> <td>9,5</td> <td>4,3</td> </tr> <tr> <td>PSA25</td> <td>36</td> <td>30</td> <td>9,5</td> <td>4,3</td> </tr> <tr> <td>PSA32</td> <td>48</td> <td>30</td> <td>50</td> <td>10</td> </tr> <tr> <td>PSA40</td> <td>48</td> <td>30</td> <td>50</td> <td>10</td> </tr> </tbody> </table>		a	b	c	d	PSA10	36	30	9,5	4,3	PSA16	36	30	9,5	4,3	PSA20	36	30	9,5	4,3	PSA25	36	30	9,5	4,3	PSA32	48	30	50	10	PSA40	48	30	50	10
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PSA40	65	5,5	7																																		

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						
		10	AK On-Off	1		1	S Standard
		16	KD Change Over	2		2	E Emergency Yellow Red K
		20	KS Step	3		3	B 64x64 Normal
		25	KT Multi Step	4		4	F 64x64 Emergency
		32	MS Motor Control		1 30' Angle	5	AQ Key Operated Fast Montage
		40	CD Double Speed Motor Switch		2 45' Angle	6	K Lockable Handle model
		50	OK Measure Commutator		3 60' Angle	7	
		63	Z Special Cam Switch		4 90' Angle		
		80			5 90' Angle (Push Button)		
		115					

Label

1. Type	2. Type*	3. Type**	4. Type***
1 0 - 1	2 0 - 1 - 2	5	1 Phase - Neutral
2 0 - 1 - 2	3 0 - 3	** For motor control	2 Phase - Phase
3 1 - 2	4 0 - 4		3 Phase - Neutral and Phase - Phase
4 1 - 0 - 2	5 0 - 5		6 Ampermeter
	6 0 - 6		*** For measure commutator switches
	7 0 - 7		

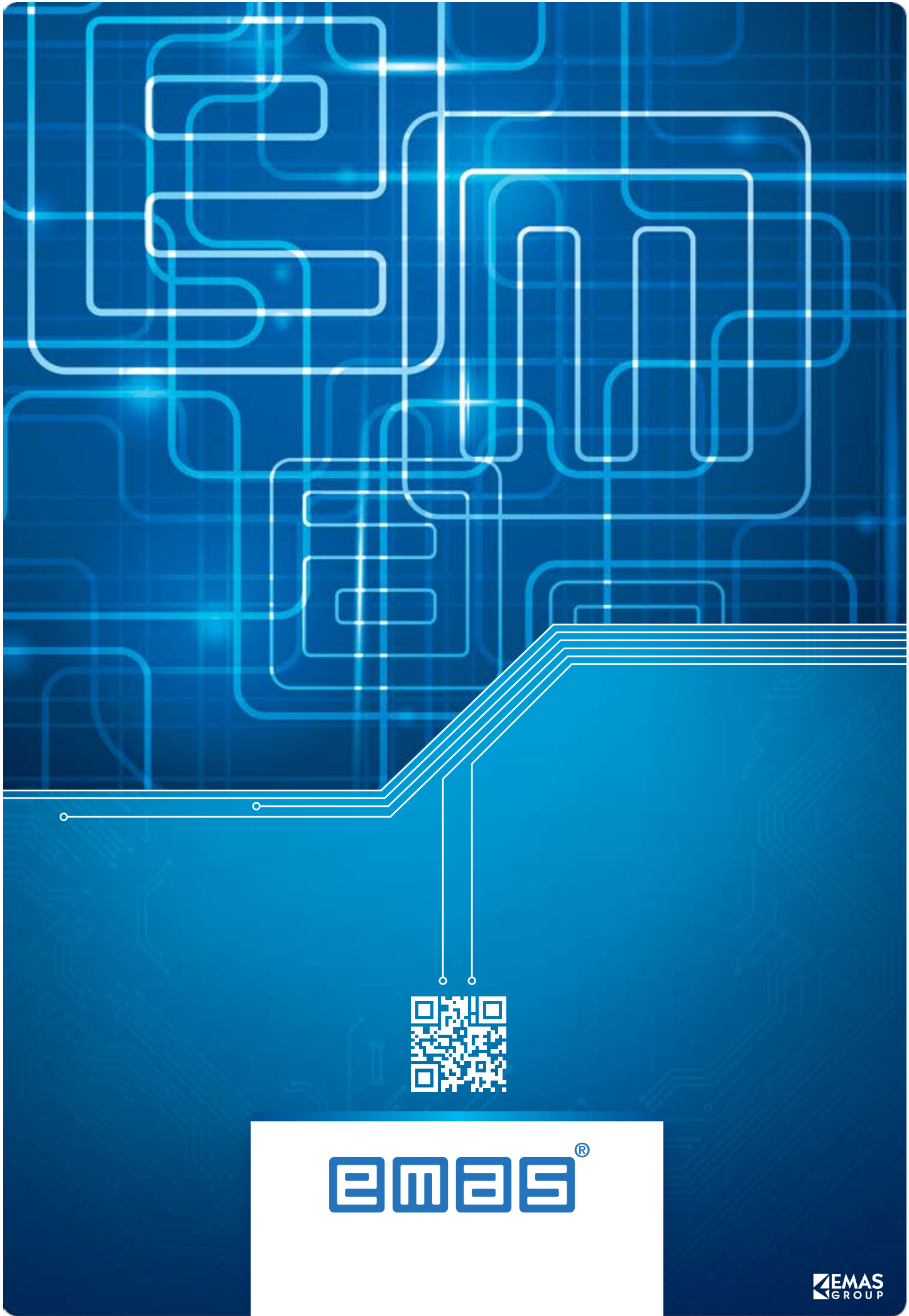
* For Multi Step Switches

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

Industrial Type Plug & Sockets Selection Table

Series	Body Material	Number Of Contacts	Type	Entry	Locking
EB	M	10	FM	4	4
EB EB Series Industrial Type Plug & Sockets	Body Material	Number Of Contacts	Type	Entry	Locking
	M Metal	5 5 Poles (10 Amper)	FU Hood With Male Insert	0 Non Entry	0 Without
	P Plastic	6 6 Poles (16 Amper)	FM Housing With Male Insert	1 Side Entry	1 One Handle
		10 10 Poles (16 Amper)	FD Housing With Male Insert (Surface Mounting)	2 Double Side Entry	2 Two Handle Roller
		16 16 Poles (16 Amper)	PU Hood With Female Insert	3 Top Entry	4 Four Handle Roller
		24 24 Poles (16 Amper)	PM Housing With Female Insert	4 Bottom Entry	6 Metal Opening (Single Arm)
		32 32 Poles (16 Amper)	PD Housing With Female Insert (Surface Mounting)	5 Bottom & Side Entry	7 Metal Handle
		48 48 Poles (16 Amper)	PE Female Insert (Sloping)		8 Metal Opening (Double Arm)
		606 6 Poles (35 Amper)	CF Male Insert		
		612 12 Poles (35 Amper)	CP Female Insert		
		806 4x80 Amper, 2x16 Amper	GU Hood Far		
		812 8x80 Amper, 4x16 Amper	GM Housing		
			GD Housing (Surface Mounting)		
			GE Housing (Sloping)		

Example: EBM10FM44 → EB series, 10 poles, bottom entry, four handle roller, locking, machine plug has been selected.



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