

- They can be used in both building and industrial installations and safety technology
- Modular design with mounting on the rail DIN EN 50 022 - width 35 mm

Push-button switches MT2B

- For switching of up to 4 electric circuits up to 25 A
- The circuit is switched on permanently by upper green push-button, and switched off by lower red push-button
- The installed push-buttons can be replaced

Control push-buttons MT

- They are created by insertion of a push-button
 T... into the push-button module MT...
- Modular design enables push-button replacement and creation of tens of different variants
- Very simple installation and replacement of the push-buttons by the customer
- For switching of up to 4 electric circuits up to 25 A

Control push-buttons with light indication MT11N, MT22X

- They are created by insertion of a push-button T... and an indicator light S... into the push-button module MT11N or MT22X
- Modular design enables replacement of the push-button and indicator light and creation of tens of different variants

- Very simple installation and replacement of the push-button and indicator light by the customer
- For signalling and switching of up to 4 electric circuits up to 25 A

Control push-button with signal light MT20S

- It is created by insertion of a push-button T... and an indicator light S... into the push-button module MT20S
- Modular design enables replacement of the push-button and indicator light and creation of tens of different variants
- Very simple installation and replacement of the push-button and indicator light by the customer
- For signalling and switching of up to 4 electric circuits up to 25 A
- Signal light separate lighting circuit

Double control push-button M2T11-11

- It is created by insertion of two push-buttons T... into the push-button module M2T11-11
- Modular design enables push-button replacement and creation of tens of different variants
- Very simple installation and replacement of the push-buttons by the customer
- For switching of two independent electric circuits up to 25 A





Contact	Туре	Product	Weight	Packing	
sequence 1)		code	[kg]	[pcs]	
11	MT2B11	11136	0.12	12	
22	MT2B22	11139	0.12	12	
40	MT2B40	11138	0.12	12	

¹⁾ Each digit indicates successively the number of make and break contacts

Accessories to MT2B

Labels	PLSN	page 25
Push-buttons	T	page 87



Control push-button modules

Contact	Туре	Product	Weight	Packing
sequence 1)		code	[kg]	[pcs]
10	MT10	08623	0.1	12
01	MT01	08622	0.1	12
11	MT11	08624	0.1	12
22	MT22	08951	0.1	12
31	MT31	08625	0.1	12

¹⁾ Each digit indicates successively the number of make and break contacts

Accessories to MT

Labels	PLSN	page 25
Push-buttons	T	page 87





Modules of control push-buttons with light indication

Connector	Contact	Туре	Product	Weight	Packing
for indicator light 1)	sequence 2)	25011	code	[kg]	[pcs]
Between contact and terminal	11	MT11N	08626	0.09	12
Between contacts	22	MT22X	08628	0.09	12

Accessories to MT11N, MT22X

Labels	PLSN	page 25
Push-buttons	T	page 87
Indicator lights	S	page 87



Module of control push-buttons with signal light

Contact	Туре	Product	Weight	Packing
sequence 1)	4000	code	[kg]	[pcs]
20	MT20S	08627	0.09	12

 $^{^{\!\!\!1)}}$ Each digit indicates successively the number of make and break contacts

Accessories to MT20S

Labels	PLSN	page 25
Push-buttons	T	page 87
Indicator lights	S	page 87



Module of double control push-buttons

Contact	Туре	Product	Weight	Packing
sequence 1)	***	code	[kg]	[pcs]
11-11	M2T11-11	11140	0.09	12

¹⁾ Each digit indicates successively the number of make and break contacts

Accessories to M2T11-11

Labels	PLSN	page 25
Push-buttons	T	page 87

¹⁾See the schematic symbol ²⁾ Each digit indicates successively the number of make and break contacts



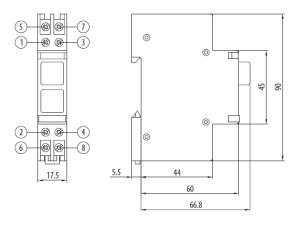
Specification

Туре			MT2B	MT	MT11N, MT22X	MT20S	M2T11-11
Standards			EN 60 947-5-1	EN 60 947-5-1	EN 60 947-5-1	EN 60 947-5-1	EN 60 947-5-1
Approval marks				EG.	(€ W		
Contacts							
Sequence 1)			11, 22, 40	10, 01, 11, 22, 31	11, 22	20	2x 11
Rated operating voltage		U _e	230/400 V a.c./220 V d.c.	230/400 V a.c./220 V d.c.	230/400 V a.c./220 V d.c.	230/400 V a.c./220 V d.c.	230/400 V a.c./220 V d.c.
Rated thermal current		I _{th}	25 A	25 A	25 A	25 A	25 A
Rated operating current	AC-12	l _e	25 A	25 A	25 A	25 A	25 A
	AC-15	l _e	6 A	6 A	6 A	6 A	6 A
	DC-12	ļ	1 A	1 A	1 A	1 A	1 A
Endurance			30 000 operating cycles	100 000 operating cycles	100 000 operating cycles	100 000 operating cycles	100 000 operating cycles
Connection			$0.75 \div 6 \text{ mm}^2$, $2x(0.75 \div 2.5)\text{mm}^2$	$0.75 \div 6 \text{ mm}^2$, $2x(0.75 \div 2.5) \text{ mm}^2$	$0.75 \div 6 \text{ mm}^2$, $2x(0.75 \div 2.5) \text{ mm}^2$	$0.75 \div 6 \text{ mm}^2$, $2x(0.75 \div 2.5) \text{ mm}^2$	$0.75 \div 6 \text{ mm}^2$, $2x(0.75 \div 2.5) \text{ mm}^2$
Light signalling							
Power			-	-	0.8 W	0.8 W	-
Rated voltage			-	-	24 V a.c./d.c., 230 V a.c., 220 V d.c.	24 V a.c./d.c., 230 V a.c., 220 V d.c.	-
Colour				-			-
Light			-	-	permanent, flashing	permanent, flashing	-
Source			-	-	LED	LED	-
Dispersion			-	-	by raster in front of LED	by raster in front of LED	-
Connection			-	-	$0.75 \div 6 \text{ mm}^2$, $2x(0.75 \div 2.5) \text{ mm}^2$	$0.75 \div 6 \text{ mm}^2$, $2x(0.75 \div 2.5) \text{ mm}^2$	-
Push-buttons							
Colour							
Other data							
Mounting on the rail DIN EN	50 022 - wid	th	35 mm	35 mm	35 mm	35 mm	35 mm
Degree of protection			IP20	IP20	IP20	IP20	IP20
Ambient temperature			-25 ÷ +55 ℃	-25 ÷ +55 ℃	-25 ÷ +55 ℃	-25 ÷ +55 ℃	-25 ÷ +55 ℃
Seismic immunity (8÷50 l	Hz)		3 g	3 g	3 g	3 g	3 g
Operating position			arbitrary	arbitrary	arbitrary	arbitrary	arbitrary

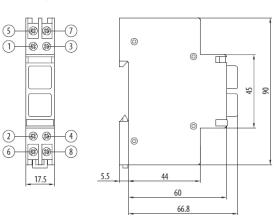
¹⁾ Each digit indicates successively the number of make and break contacts

Dimensions



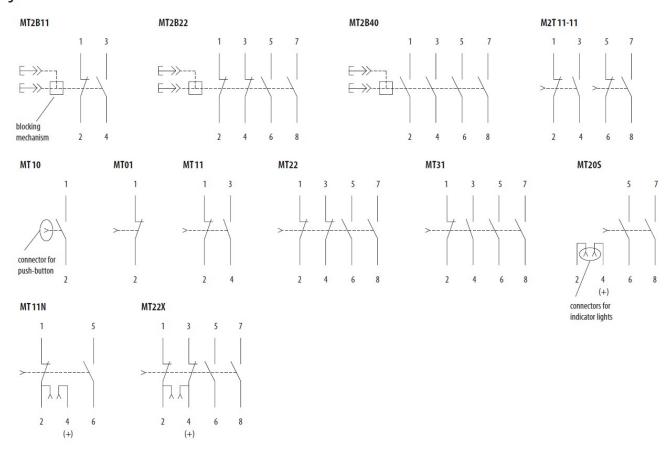


MT2B, M2T11-11



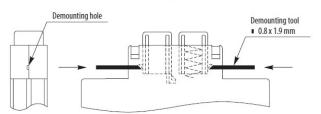


Diagram

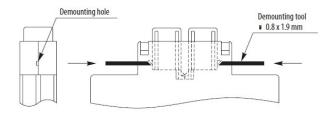


Demounting

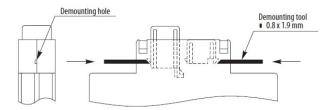
Demounting of push-button switches MT2B... At replacement of the push-button under which there is a spring it is necessary to cut the boss off the new push-button, and only after it to install it in the module



■ Demounting of double control push-buttons (M2T11-11 + push-buttons)



 Demounting of control push-buttons (MT..), control push-buttons with indication (MT..N, MT..X + indicator light)





SIGNAL LIGHTS



- They are created by insertion of one or two indicator lights S... into the signal light module MK1 or MK2
- Modular design enables replacement of the indicator light and creation of hundreds of different variants
- Very simple installation and replacement of the indicator light by the customer
- For signalling operating states, emergency lighting etc.
- They can be used in both building and industrial installations and safety technology
- Modular design with mounting on the rail DIN EN 50 022
 width 35 mm

Signal light modules

Number of openings	Туре	Product	Weight	Packing
for indicator lights		code	[kg]	[pcs]
1	MK1	08641	0.1	12
2	MK2	08642	0.1	12

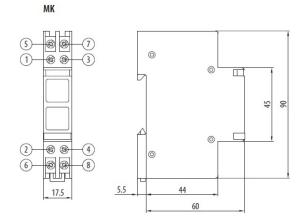
Accessories to MK

Labels	PLSN	page 25
Indicator lights	S	page 87

Specification

Туре		MK1, MK2
Standards		EN 60 947-5-1
Approval marks		® ⊕ C € ₩
Light signalling		
Power		0.8 W
Rated operating voltage	U _e	24 V a.c./d.c., 230 V a.c., 220 V d.c.
Colour		
Light		permanent, flashing
Source		LED
Dispersion		by raster in front of LED
Connection		$0.75 \div 6 \text{ mm}^2$, $2x(0.75 \div 2.5) \text{ mm}^2$
Other data		
Mounting on the rail DIN EN 50 022 - width		35 mm
Degree of protection		IP20
Ambient temperature		-25 ÷ +55 ℃
Seismic immunity (8 ÷ 50 Hz)		3 g
Operating position		arbitrary

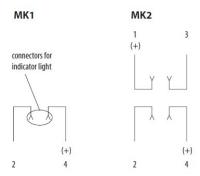
Dimensions





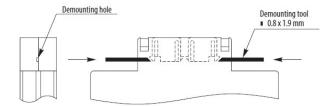
SIGNAL LIGHTS

Diagram



Demounting

■ Demounting of signal lights (MK1, MK2 + indicator light)





INDICATOR LIGHTS AND PUSH-BUTTONS

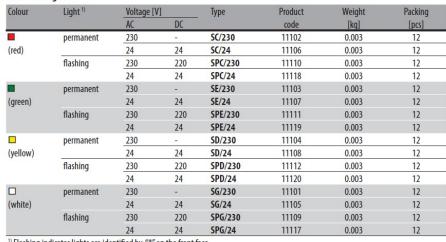
Indicator lights S...

- They are designed for signalling after insertion into the modules MS..N, MS..X, MT11N, MT22X, MT20S, MK1,
- Indicator light power: 0.8 W
- Indicator light contains a LED

Push-buttons T...

■ They are designed control after insertion into the modules MT2B..., MT..., MT11N, MT22X, MT20S, M2T11-11





¹⁾ Flashing indicator lights are identified by "*" on the front face





Push-buttons

Colour	Туре	Product	Weight	Packing
		code	[kg]	[pcs]
(black)	ТВ	08932	0.002	12
(red)	TC	08930	0.002	12
(yellow)	TD	08933	0.002	12
(green)	TE	08931	0.002	12
(blue)	TF	08935	0.002	12
☐ (white)	TG	08934	0.002	12

Diagram



Meaning of push-button and indicator light colours at coding - general principles 2)

Colour	Safety of personnel or environment	Operating conditions	Equipment condition
(red)	danger	emergency	without a general meaning
☐ (yellow)	warning	extraordinary	without a general meaning
(green)	safe condition	normal	without a general meaning
(blue)	special meaning - an order	special meaning - an order	without a general meaning
☐ (white)			
☐ (grey)		without a special meaning	1
(black)			
7) A	3		

²⁾ According to EN 60 073