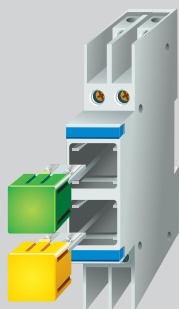# SIGNAL LIGHTS

- **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 for indicator lights	Type	Product code	Weight [kg]	Packing [pcs]
1	**MK1**	08641	0.1	12
2	**MK2**	08642	0.1	12

Accessories to MK

Labels	**P...-LSN**	page 25
Indicator lights	**S...**	page 87

Specification

Type	**MK1, MK2**
Standards	EN 60 947-5-1
Approval marks	
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	$0.75 \div 6$ mm², $2 \times (0.75 \div 2.5)$ mm²
Other data	
Mounting on the rail DIN EN 50 022 - width	35 mm
Degree of protection	IP20
Ambient temperature	$-25 \div +55$ °C
Seismic immunity (8 ÷ 50 Hz)	3 g
Operating position	arbitrary

Dimensions

MK

SIGNAL LIGHTS

Diagram

MK1

connectors for
indicator light

2

(+)
4

MK2

1
(+)

3

2

(+)
4
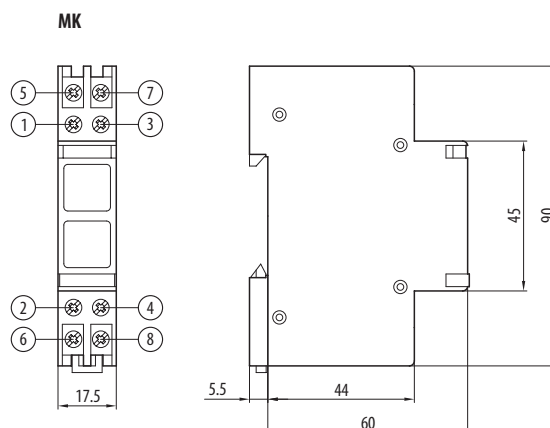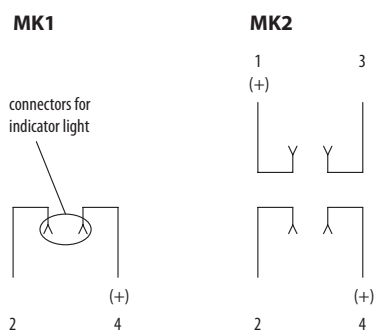
Demounting

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

Demounting hole

Demounting tool
■ 0.8 x 1.9 mm
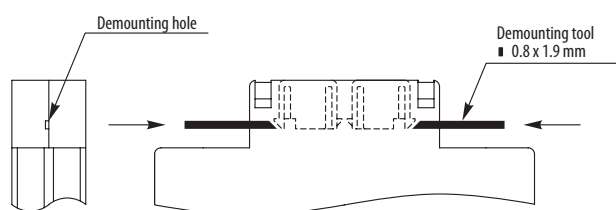
LOCKING INSERT, LABELS

Locking insert VU-LSN
- Accessories to: LSN, LSE, ASN, MS
- For reliable locking in both closed and open positions
- The breaking function of miniature circuit breakers is possible also in the locked position
- Max. diameter of the lock shank – 4.5 mm
- The padlock is not a part of delivery

Label P…-LSN
- Accessories to: LSN, ASN, MS, MT, MK, M2T, MCR, IR116K, C-IR, D-IR, PR116, PR208, …
- For better orientation in the switchboard
- Use spirit marker for description of blank labels

Locking insert

Type	Product code	Weight [kg]	Packing [pcs]
VU-LSN	09087	0.002	1

Labels

Description	Colour	Type	Product code	Weight [kg]	Packing [pcs]
	■	**PB-LSN**	01499	0.001	20
L1	■	**PB07-LSN**	01506	0.001	20
L2	■	**PB08-LSN**	01507	0.001	20
L3	■	**PB09-LSN**	01508	0.001	20
	□	**PW-LSN**	01509	0.001	20

Dimensions

VU-LSN

28

15.5
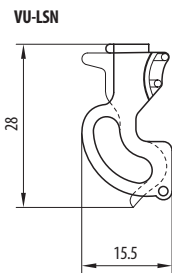
INDICATOR LIGHTS AND PUSH-BUTTONS

Indicator lights S…

■ They are designed for signalling after insertion into the modules MS..N, MS..X, MT11N, MT22X, MT20S, MK1, MK2

■ 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

Indicator lights

Colour	Light [1]	Voltage [V] AC	Voltage [V] DC	Type	Product code	Weight [kg]	Packing [pcs]
■ (red)	permanent	230	-	**SC/230**	11102	0.003	12
		24	24	**SC/24**	11106	0.003	12
	flashing	230	220	**SPC/230**	11110	0.003	12
		24	24	**SPC/24**	11118	0.003	12
■ (green)	permanent	230	-	**SE/230**	11103	0.003	12
		24	24	**SE/24**	11107	0.003	12
	flashing	230	220	**SPE/230**	11111	0.003	12
		24	24	**SPE/24**	11119	0.003	12
□ (yellow)	permanent	230	-	**SD/230**	11104	0.003	12
		24	24	**SD/24**	11108	0.003	12
	flashing	230	220	**SPD/230**	11112	0.003	12
		24	24	**SPD/24**	11120	0.003	12
□ (white)	permanent	230	-	**SG/230**	11101	0.003	12
		24	24	**SG/24**	11105	0.003	12
	flashing	230	220	**SPG/230**	11109	0.003	12
		24	24	**SPG/24**	11117	0.003	12

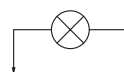[1] Flashing indicator lights are identified by "*" on the front face

Push-buttons

Colour	Type	Product code	Weight [kg]	Packing [pcs]
■ (black)	**TB**	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

Indicator light   **Push-button**

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	
■ (black)			

[2] According to EN 60 073