

## ROCKER-TYPE SWITCHES AND CHANGE-OVER SWITCHES



### Rocker-type switches and change-over switches

- For electric circuit switching up to 16 A
- Use in both building and industrial installations and security technology
- Switches with backlighting (glow lamp)
- Change-over switches with interposition
- Change-over switches with interposition without arresting
- Modular design with fastening on the „U“ rail wide 35 mm according to EN 60715

Design	Arrangement of contacts <sup>1)</sup>	Type	Product code	Number of modules	Weight [kg]	Package [pcs]
Switch	10	<b>MSK-10</b>	35678	1	0.065	1
Switch with red backlight	10	<b>MSK-10-SC</b>	35679	1	0.065	1
Switch with green backlight	10	<b>MSK-10-SE</b>	35680	1	0.065	1
Change-over switch	001	<b>MSK-001-1X2</b>	35682	1	0.065	1
Change-over switch with intermediate position	001	<b>MSK-001-102</b>	35681	1	0.065	1
Change-over switch with intermediate position without arrestment	001	<b>MSK-001-1T2</b>	35683	1	0.065	1

<sup>1)</sup> Each digit indicates successively the number of make, break and break-make contacts

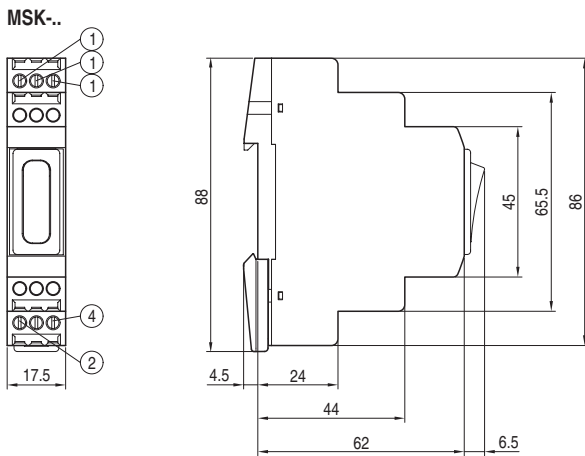
### Specification

Type		<b>MSK-10</b> <b>MSK-10-..</b>	<b>MSK-001-1X2</b>	<b>MSK-001-102</b> <b>MSK-001-1T2</b>	
Standards		EN 60947-5-1 EN 60669-1 EN 60073 EN 61058-1	EN 60947-5-1 EN 60669-1 EN 60073 EN 61058-1	EN 60947-5-1 EN 60669-1 EN 60073 EN 61058-1	
Approval marks					
Contacts					
Sequence <sup>1)</sup>		10	001	001	
Rated operating voltage	$U_e$	250 V a.c., 12 V d.c.	250 V a.c., 12 V d.c.	250 V a.c., 12 V d.c.	
Min. switched power		300 mW	300 mW	300 mW	
Min. voltage	$U_{min}$	12 V	12 V	12 V	
Rated thermal current	$I_{th}$	16 A	10 A	6 A	
Rated operating current	$I_e$	AC-1	16 A	10 A	6 A
		AC-15	10 A	6 A	4 A
		AC-5a - $\cos\phi=0,5$	6 A	4 A	3 A
		AC-5a - $\cos\phi=0,9$	2 A	1.1 A	0.7 A
		AC-5b	4.4 A	2.6 A	1.7 A
		DC-1	10 A	10 A	10 A
Electrical endurance		50 000 operating cycles	50 000 operating cycles	50 000 operating cycles	
Mechanical endurance		100 000 operating cycles	100 000 operating cycles	50 000 operating cycles	
Connection		0.2 ÷ 2.5 mm <sup>2</sup>	0.2 ÷ 2.5 mm <sup>2</sup>	0.2 ÷ 2.5 mm <sup>2</sup>	
Torque		0.5 Nm	0.5 Nm	0.5 Nm	
Other data					
Mounting on "U" rail according to EN 60715 - type		TH 35	TH 35	TH 35	
Degree of protection		IP20	IP20	IP20	
Ambient temperature		-20 ÷ +55 °C	-20 ÷ +55 °C	-20 ÷ +55 °C	
Seismic immunity		3 g / 8÷50 Hz	3 g / 8÷50 Hz	3 g / 8÷50 Hz	
Working position		arbitrary	arbitrary	arbitrary	

<sup>1)</sup> Each digit indicates successively the number of make, break and break-make contacts

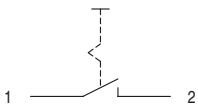
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### Dimensions

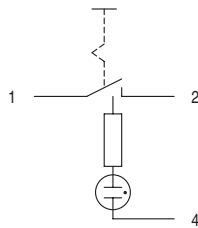


### Diagram

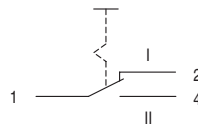
MSK-10



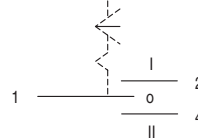
MSK-10..



MSK-001-1X2



MSK-001-102



MSK-001-1T2

