

Switching element - New Version

704.905.3-1



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Your product:



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Switching element - New Version

ELECTRICAL CHARACTERISTICS

Switching voltage and switching current:

as per DIN EN IEC 60947-5-1			
voltage	DC13		AC15
24 V	2,5 A		
60 V	0,8 A		
110 V	0,6 A		
120 V			4,5 A
230 V	0,2 A		4,5 A
400 V	0,15 A		4,0 A
500 V	0,7 A		2,5 A
as per UL 60947-5-1			
voltage	power		
24 VDC	2,5 A, Pilot duty		
60 VDC	0,8 A, Pilot duty		
120 VDC	0,6 A, Pilot duty		
240 VDC	0,2 A, Pilot duty		
415 VDC	0,15 A, Pilot duty		
480 VDC	0,07A, Pilot duty		
120 VAC	4,5 A, Pilot duty		
240 VAC	4,5 A, Pilot duty		
415 VAC	4,0 A, Pilot duty		
480 VAC	2,5 A, Pilot duty		
For voltages greater than Ue = 400 V, the grid dimensions must not be less than 35 mm x 50 mm.			

Contacts: 2 NO

Forward voltage:

Rated impulse withstand voltage Uimp: 4 kV

Rated insulation voltage Ui: 500 V

Recommended minimum operational data:	Gold-silver contacts			
	Voltage	5 VDC	24 VDC	110 VDC
	Current	15 mA	5 mA	2 mA
	Hard silver contacts			
	Voltage	24 VDC	110 VDC	
	Current	50 mA	10 mA	

Switching rating: 500 V AC @ 6 A

Electrical lifetime: 50 000 cycles of operation (500 VAC, 10 A)

Pollution degree: 3

Standards: The switches comply with the “Standards for low-voltage switching devices” DIN

Thermal current I_{th}: Max. current as per EN IEC 60947-5-1 10 A

MECHANICAL CHARACTERISTICS

Terminal: Plug-in terminal, 6.3 x 0.8 mm

Contact material: Silver

Switching system: Snap-action switching element

Switching system: The double-break, snap-action switching element is equipped with one or two independent contact systems, acting as normally open or normally closed contact. The snap-action switching element is fitted with self-cleaning contacts.

Operating force: 1 Normally closed approx. 1.9 N, 1 Normally open approx. 2 N

Wire cross section: Plug-in terminal 1 x 6.3 mm x 0.8 mm or 2 x 2.8 mm x 0.8 mm
For switches with plug-in terminals it is necessary to provide insulation sleeves and to maintain a spacing of 65 mm between rows (mounting cut-outs).

Weight: 0.016 kg

AMBIENT CONDITION

IP Protection: IP00

Operating temperature: – 40 °C ... + 55 °C

Storage temperature: – 40 °C ... + 85 °C

Shock resistance: (single impacts, semi-sinusoidal) 300 m/s², pulse width 18 ms, as per DIN EN 60068-2-27

Vibration resistance: (sinusförmig) 100 m/s² bei 10 Hz...500 Hz, nach DIN EN 60068-2-6, Erhöhtes Breitbandrauschen nach DIN EN 61373, Klasse 1B

Climate resistance: Relative humidity 10 %rh ... 95 %rh (non-condensing) original packaging according to DIN EN IEC 60721-3-1 Class 1C1

CERTIFICATE

Approbations: CB (IEC 60947-5-1), cULus, DNV, VDE

Conformities: CE, CCC, UKCA

REACH: REACH compliant

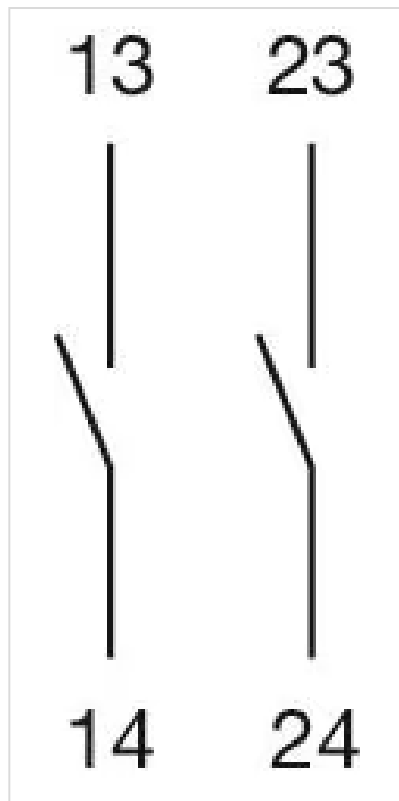
RoHS: RoHS compliant

OTHER

Short Description: Switching element - New Version, Snap-action switching element, 500 V AC @ 6 A, Silver, 2 NO, Plug-in terminal, 6.3 x 0.8 mm

Hints:

When using the switching element, the application guidelines must be observed.
For the third switching element the terminal marking insert is to be ordered separately
Operating temperature: Other temperatures on request
A suitable enclosure is required for applications with increased protection requirements. In North America, the product must be installed in an enclosure in accordance with UL 50E Type 2 or higher.

Wiring diagrams:**Dimension drawings:**