

Switching element - New Version

Distribution by
DigiKey

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704.915.4FS-1



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Your product:



704.915.4FS-1 Switching element - New Version

ELECTRICAL CHARACTERISTICS

Contacts:	1 NC / 1 FS		
Rated impulse withstand voltage Uimp:	4 kV		
Rated insulation voltage Ui:	500 V		
Recommended minimum operational data:			
Gold-silver contacts	24 VDC	110 VDC	
Voltage	5 mA	2 mA	
Current			
Hard silver contacts	24 VDC	110 VDC	
Voltage	50 mA	10 mA	
Current			
Switching rating:	500 V AC @ 10 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 EN IEC UL 60947-5-1		
Thermal current Ith:	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:	Slow-make switching element
Switching system:	The double-break, slow-make switching element is equipped with one or two independent contact systems, acting as normally open or normally closed contact. The normally closed contact has forced opening. Slow-make contacts with forced action are ideal for high switch ratings.
Operating force:	1 Normally closed approx. 2 N, 1 Normally open approx. 3 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: 0.022 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/s ² , pulse width 18 ms, as per DIN EN 60068-2-27
Vibration resistance:	(sinusförmig) 100 m/s ² 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, Slow-make switching element, 500 V AC @ 10 A, Silver, 1 NC / 1 FS, Plug-in terminal, 6.3 x 0.8 mm

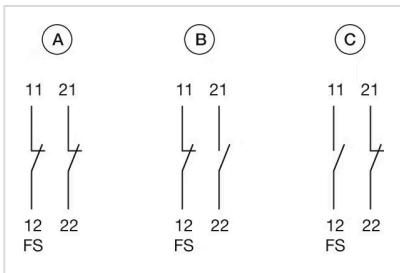
Hints: When using the switching element, the application guidelines must be observed. For the third switching element the terminal marking insert is to be ordered separately
Operating temperature: Other temperatures on request
A suitable enclosure is required for applications with increased protection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

Special requirements: Special requirements for positive-opening auxiliary current switches
Positive opening travel
Minimum force
Max. travel

Wiring diagrams:

Emergency
Emergency
which is
Emergency

A = mounted, not actuated
B = mounted, actuated
C = not mounted, not actuated



Dimension drawings:

