Your Expert Partner for **Human Machine Interfaces**

Switching element - New Version

Distribution by Newark

704.915.4FS-1

https://newark.eao.com/component/704.915.4FS-...

Your product:

704.915.4FS-1
Switching element - New Version

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ELECTRICAL CHARACTERISTICS

Contacts: 1 NC / 1 FS

Forward voltage:

Rated impulse withstand voltage Uimp: 4 kV

Rated insulation voltage Ui: 500 V

Recommended minimum operational data:

Gold-silver contacts		
Voltage	24 VDC	110 VDC
Current	5 mA	2 mA
Hard silver contacts		
Voltage	24 VDC	110 VDC
Current	50 mA	10 mA

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/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, Slow-make switching element, 500 V AC @ 10 A, Silver, 1 NC / 1 FS, Plug-in terminal, 6.3 x 0.8 mm

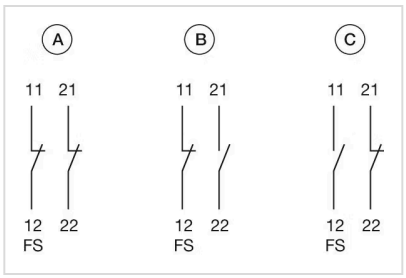
Hints: When using the switching element, the application guidelines must be observed.
For the third switching element the terminal marking insert is to be ordered separately
Operating temperature: Other temperatures on request
A suitable enclosure is required for applications with increased protection 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	Emerge
Minimum force	Emerge which i
Max. travel	Emerge

Wiring diagrams:



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

Dimension drawings: