

## Switching element - New Version

704.915.4FS-1

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## 704.915.4FS-1

### Switching element - New Version

#### ELECTRICAL CHARACTERISTICS

<b>Contacts:</b>	1 NC / 1 FS		
<b>Rated impulse withstand voltage U<sub>imp</sub>:</b>	4 kV		
<b>Rated insulation voltage U<sub>i</sub>:</b>	500 V		
<b>Recommended minimum operational data:</b>	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
<b>Switching rating:</b>	500 V AC @ 10 A		
<b>Electrical lifetime:</b>	50 000 cycles of operation (500 VAC, 10 A)		
<b>Pollution degree:</b>	3		
<b>Standards:</b>	The switches comply with the "Standards for low-voltage switching devices" DIN EN IEC UL 60947-5-1		
<b>Thermal current I<sub>th</sub>:</b>	Max. current as per EN IEC 60947-5-1 10 A		

#### MECHANICAL CHARACTERISTICS

<b>Terminal:</b>	Plug-in terminal, 6.3 x 0.8 mm
<b>Contact material:</b>	Silver
<b>Switching system:</b>	Slow-make switching element
<b>Switching system:</b>	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.
<b>Operating force:</b>	1 Normally closed approx. 2 N, 1 Normally open approx. 3 N
<b>Wire cross section:</b>	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<sup>2</sup>, pulse width 18 ms, as per DIN EN 60068-2-27

**Vibration resistance:** (sinusförmig) 100 m/s<sup>2</sup> 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

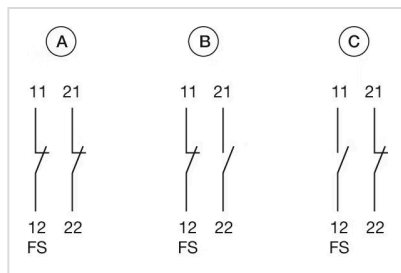
## OTHER

**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.

<b>Special requirements:</b>	Special requirements for positive-opening auxiliary current switches	
	Positive opening travel	Emergency
	Minimum force	Emergency
	Max. travel	which is
		Emergency

**Wiring diagrams:**



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

#### Dimension drawings:

