

## Switching element - New Version

704.915.4FS-1



<https://www.eao.com/component/704.915.4FS-1/e...>

Your product:

---



## 704.915.4FS-1

### Switching element - New Version

#### ELECTRICAL CHARACTERISTICS

**Contacts:** 1 NC / 1 FS

**Forward voltage:**

**Rated impulse withstand voltage  
U<sub>imp</sub>:** 4 kV

**Rated insulation voltage U<sub>i</sub>:** 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 I<sub>th</sub>:** 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<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

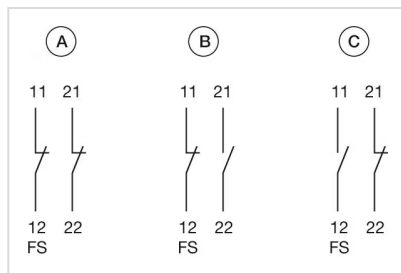
## OTHER

**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 i   |
|                              |                                                                      | Emergency |

**Wiring diagrams:**



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

#### Dimension drawings:

