

Datasheet - EF220.3

Command and signalling devices / Contact and light terminal blocks (EF/EL) System / contact elements / contact element EF - (N)



- Screw connection
- Mounting flange position 3
- 51-52; 61-62 (Contact labelling)
- Suitable for EMERGENCY-OFF

(Minor differences between the printed image and the original product may exist!)

Ordering details


| | |
|--------------------------|---------|
| Product type description | EF220.3 |
| Article number | 1023938 |
| EAN code | |

Approval

Approval



Global Properties

| | |
|--|---|
| Product name | Kontaktelement EF |
| Standards | IEC/EN 60947-1, EN 60947-5-1 |
| Compliance with the Directives (Y/N)  | Yes |
| Contact labelling | 51-52; 61-62 |
| Materials | |
| - Material of the housings | Plastic, glass-fibre reinforced thermoplastic, self-extinguishing |
| - Material of the contacts | Silver |
| Weight | 20 g |

Suitable for EMERGENCY-OFF (Y/N) Yes

Mechanical data

| | |
|-----------------------------------|---|
| Connection type | Screw connection |
| notice | All indications about the cable section are including the conductor ferrules. |
| Cable section | |
| - Min. Cable section | 0,5 mm ² , rigid 0,5 mm ² , flexible |
| - Max. Cable section | 2.5 mm ² , rigid 1.5 mm ² , flexible |
| Assembly | pluggable |
| Mounting flange position | 3 |
| Mechanical life / contact element | 10.000.000 operations |
| Switching frequency | 1200 /h |
| restistance to shock | 110 g / 4 ms |
| resistant to vibration | > 20 g / 10 ... 200 Hz |
| Bounce duration (100 mm/s) | < 5 ms |
| positive break travel | 2 mm |
| Contact opening | 2 mm |

Ambient conditions

| | |
|---|--------|
| Ambient temperature | |
| - Min. environmental temperature | -25 °C |
| - Max. environmental temperature | +80 °C |
| Protection class | |
| - Protection class-Terminals | IP20 |
| - Protection class switching compartments | IP40 |

Electrical data

| | |
|---|---|
| Design of control element | Opener (NC) |
| Switching principle | Slow action |
| Number of shutters | 0 piece |
| Number of openers | 2 piece |
| Rated insulation voltage U _i | 400 V |
| Thermal test current I _{the} | 10 A |
| Utilisation category | AC-15: 230 V / 8 A DC-13: 24 V / 5 A |
| Max. fuse rating | 10 A gG D-fuse slow blow |
| Test voltage (enclosed) | 2500 VAC |
| Suitable for low-voltages | ≥ 5 V, 3.2 mA |

Dimensions

| | |
|------------|-------|
| Dimensions | |
| - Width | 10 mm |
| - Length | 46 mm |
| - Depth | 60 mm |

Switch travel diagram



Notes Switch travel diagram

■ Contact closed

□ Contact open

▨ Setting range

⌚ Break point

Ⓟ Positive opening sequence/- angle

VS adjustable range of NO contact

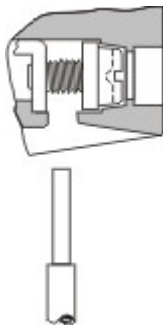
VÖ adjustable range of NC contact

N after travel

Images



Application



Operating principle

K.A. Schmersal GmbH, Möddinghofe 30, D-42279 Wuppertal

The data and values have been checked thoroughly. Technical modifications and errors excepted.

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