

RAFIX FS switching element emergency stop QC, gold, light guide, for LED clip, 2 NC



fields of application

- › Measurement-control-regulation
- › Electrical engineering
- › Mechanical and system engineering
- › Signalling systems
- › Vehicle construction
- › Agricultural and forestry machinery
- › Construction machinery
- › Handheld terminals
- › Industrial robots



description

These switching elements have internal plungers and therefore can only be combined with emergency stop and mushroom pushbuttons.

The QC switching elements can be latched into the actuators without the need for tools and with little effort. Wiring is performed in the conventional manner – directly with male quick-connect terminals. The fast and inexpensive version – in cases where no PCB is cost-effective.

QC mounting depths

- 26.8 mm for RAFIX 22 FS+ and RAFIX 22 FSR
- 32.8 mm for RAFIX 30 FS+:

The NC contacts of these switching elements are forcibly separated according to IEC 60947-25-1.

- › QC contact block for RAFIX 22 FS+, RAFIX FSR and RAFIX 30 FS
- › Connection: QC = Quick Connect
- › Only suitable for emergency stop and mushroom pushbutton
- › Gold contacts (= grey housing)
- › Version with light guide for SMT LED, without light guide for THT LED
- › marking:
 - normally closed contacts = red plungers
 - normally open contacts = green plungers
 - N/C and N/O contacts = yellow plungers

technical data

> general

| | |
|--|--|
| Disassembly possible | no |
| Color | dark gray |
| Operating temperature, min. | -40 °C |
| Storage temperature, min. | -40 °C |
| Operating temperature, max. | 85 °C |
| Storage temperature, max. | 85 °C |
| illuminated | Yes |
| Luminous elements | LED |
| Lamp socket | LED clip |
| Packaging unit | 10 pcs. |
| net weight | 4 g |
| Operating life electrical | 1.000.000 (10mA / 24V DC) cycles |
| B10 electrical | 1.300.000 (10mA / 24V DC) cycles |
| B10d | 2,600,000 cycles |
| Environment resistance | IEC 60068-2-14 IEC 60068-2-30 IEC 60068-2-33 IEC 60068-2-78 |
| Shock resistance according to standard IEC 60068-2-27 | 15 g at 11 ms amplitude semi-sinusoidal |
| Vibration-resistance according to standard IEC 60068-2-6 | 5 g at 10 - 500 Hz |
| MOQ order | 10 pcs. |
| RoHS compliant | Yes |
| REACH compliant | Yes |

direct links

> [RAFI eCatalog](#)

> mounting diameters

| | |
|---------------------------|----------|
| Mounting depth | 27 mm |
| Outside dimension, length | 19.7 mm |
| Outside dimension, width | 18.6 mm |
| Outside dimension, height | 30.65 mm |

> mechanical data

| | |
|-----------------------|---------------------------------------|
| Operating force, max. | 100 N |
| Contact function | 2 NC |
| Contact system | Bridge contact |
| Contact material | Gold |
| Fixing | Latching |
| Terminal on the rear | Flat quick-connect terminal 2.8 x 0.8 |
| Connection marking | Normally Closed: 11/12, 21/22 |
| Solderability | No |

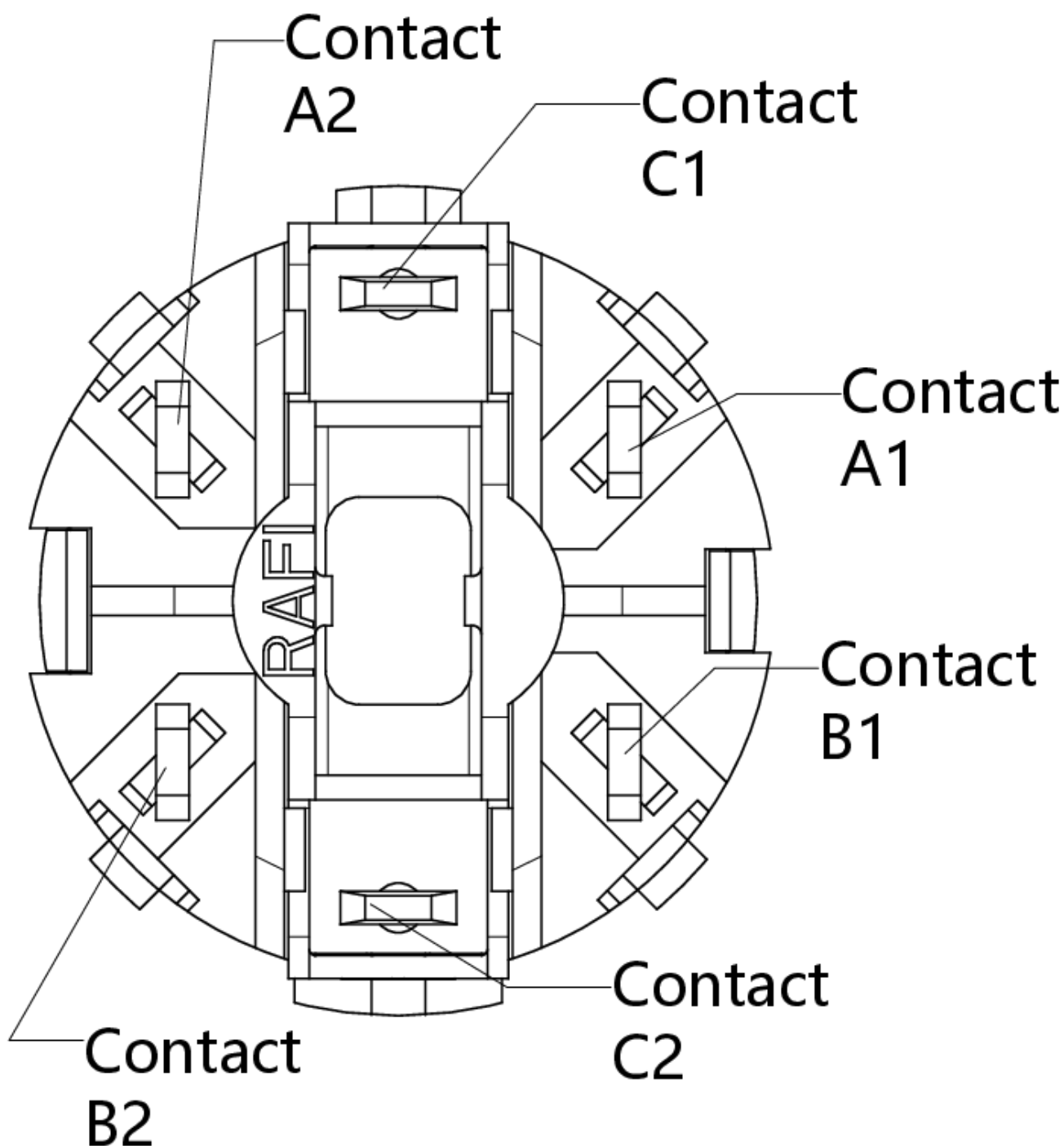
> electrical data

| | |
|--------------------------|--------|
| Rated insulation voltage | 50 V |
| Rated surge voltage | 500 V |
| Rated voltage, min. | 0.02 V |
| Rated voltage, max. | 35 V |

| | |
|-----------------------------------|----------------|
| Voltage type | AC / DC |
| Rated operating voltage | 0.02-35 V |
| Rated current, min. | 0.00001 A |
| Rated current, max. | 0.1 A |
| Rated power, max. | 0.25 W |
| Power loss | 0 W |
| Categories of use | AC-15 DC-13 |
| Conditional short circuit current | 1,000 A |

drawings

Connection drawing



Contact block with LED-Clip