

RAFIX FS switching element universal QC, gold, light guide, for LED clip, 1 NC + 1 NO



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 external plungers and therefore can only be combined with pushbuttons, selector switches and keylock switches.

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+:

- › QC contact block for RAFIX 22 FS+, RAFIX FSR and RAFIX 30 FS
- › Connection: QC = Quick Connect
- › Only suitable for pushbuttons, selector and key-operated switches, not for mushroom pushbuttons and emergency stop
- › Gold contacts (= grey housing)
- › Version with light guide for SMT LED, without light guide for THT LED
- › labelling:
 - normally closed contacts = red plungers
 - NO contacts = green plungers
 - NC and NO contacts = yellow plungers

technical data

› general

The information in this data sheet only contains general descriptions and / or performance features, which may not apply precisely as described to the respective application, and which may change due to further product enhancements. The technical data, illustrations and other information about our products are the mere results of individual technical testing. These descriptions and other product features are only binding if they expressly agreed upon at the time of the conclusion of a binding contract. In all other cases, we reserve the right to make technical changes as well as changes of availability. Pictures and other graphic illustrations are approximations only. All product names may be trademarks or brand names of the RAFI Group or any other sub-supplier of RAFI. The use of such by any third parties for their own purposes may infringe the rights of the respective entity holding those rights.

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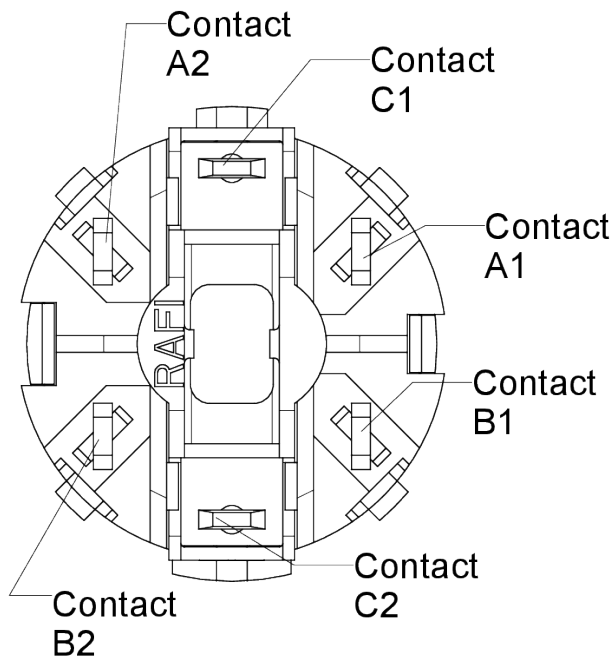
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Disassembly possible	no
Color	dark gray
Operating temperature, min.	-40 °C
Storage temperature, min.	-40 °C
Operating temperature, max.	85 °C
Storage temperature, max.	85 °C
illuminated	Yes
Luminous elements	LED
Lamp socket	LED clip
Packaging unit	10 pcs.
net weight	4.1 g
Operating life electrical	1.000.000 (10mA / 24V DC) cycles
B10 electrical	1.300.000 (10mA / 24V DC) 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
> 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	1 NC + 1 NO
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 Normally Open: 13/14, 23/24
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

direct links[> RAFI eCatalog](#)

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