

# 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.

- > OC 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

### RAFI GmbH & Co. KG

technical data sheet

# 1.20.126.504/9000

## technical data

Rated voltage, max.



≻ general		
Disassembly possible	no	direct links
Color	dark gray	> RAFI eCatalog
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	
> 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	
Bated voltage, max	35 V	

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 my 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. **date**: Sep 30, 2021 **page**: 2/4

35 V

### RAFI GmbH & Co. KG

technical data sheet

# 1.20.126.504/9000



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

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 my 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. **date**: Sep 30, 2021 **page**: 3/4

### RAFI GmbH & Co. KG

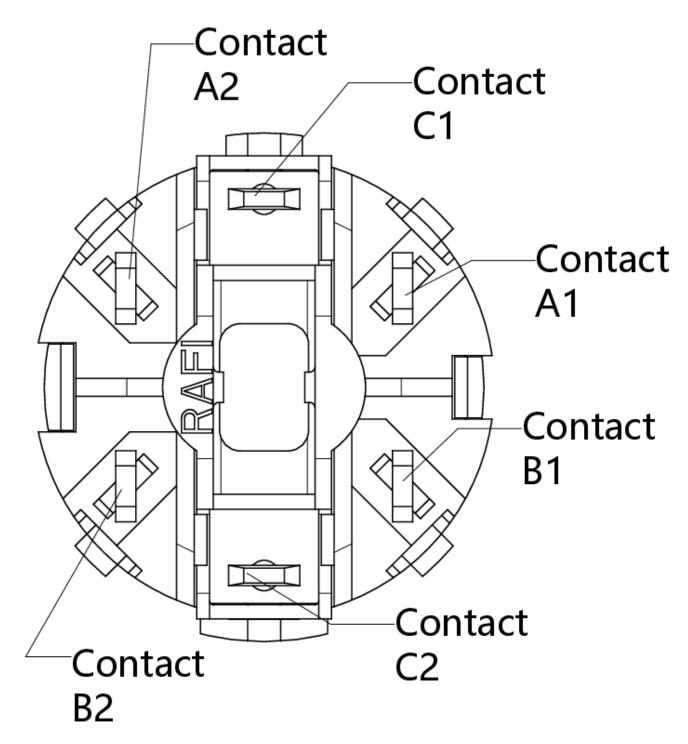
technical data sheet

1.20.126.504/9000



# drawings

### **Connection drawing**



# Contact block with LED-Clip

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 my 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. **date**: Sep 30, 2021 **page**: 4/4

### RAFI GmbH & Co. KG