1.20.123.025/0000



RAFIX 16, universal switching element, silver, without lamp socket, quick-connect terminal, momentary contact function, 2 NO



fields of application

- > Measurement-control-regulation
- > Electrical engineering
- > Mechanical and system engineering
- > Industrial robots

special features

- > Suitable for emergency stop and actuators with 2 switching directions, such as selector switches and key switches
- > Safe switching due to oxidation-free gold contacts (max. 35 V / 0.25 A)
- > NC contacts forcibly separated according to IEC 60947-5-1
- > Two separate switching chambers, so two different potentials can be switched
- > Contact function momentary (switching functions are realized via the actuating element)
- > Mounting by snapping onto actuator
- > Disassembly by turning and pulling off
- > Flat plug-in connections 2.8 x 0.8 mm (also with PCB plug-in base) or screw connection











description

RAFIX universal switching elements are designed for emergency stops and actuators with two actuating directions (e.g. selector switches). The universal switching elements always have a momentary contact function - then a switching function is implemented by the actuator alone.

technical data

net weight

Color light gray -25 °C Operating temperature, min.

70 °C Operating temperature, max. -40 °C Storage temperature, min. 85 °C Storage temperature, max. illuminated No Packaging unit 20 pcs.

Operating life 1,000,000 cycles 1,300,000 cycles Environment resistance IEC 60068-2-14 IEC 60068-2-30

direct links

> RAFI eCatalog

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: Feb 28, 2024 page: 1/3

8.4 g

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IEC 60068-2-33 IEC 60068-2-78

Shock resistance according to

Vibration-resistance according to

standard IEC 60068-2-27

50 g at 11 ms amplitude semi-sinusoidal

Staridard IEC 00000-2-27

standard IEC 60068-2-6

10 g at 20 - 500 Hz

Yes

Staridard IEC 00000-2-1

Protection class II

MOQ order 20 pcs.

RoHS compliant Yes

REACH compliant

> mounting diameters

Outside dimension, length 22.2 mm
Outside dimension, width 22.2 mm
Outside dimension, height 34.4 mm
Mounting depth 44.7 mm

> mechanical data

Actuation function momentary contact function

Operating force, max. 100 N
Operating travel, max. 3 mm
Contact function 2 NO

Contact system Bridge contact

Contact material Silver
Fixing Latching
Solderability No

Terminal on the rear Flat quick-connect terminal 2.8 x 0.8

> electrical data

Rated insulation voltage 250 V
Rated surge voltage 2,500 V

Rated operating voltage 250 V (AC-15)

250 V / 125 V / 60 V / 24 V (DC-13)

Rated voltage, min. 10 V
Rated voltage, max. 250 V
Voltage type AC / DC
Rated operating current I, AC15 240 V / 1,5 A

B300

Rated operating current I, DC13 250 V / 0,275 A Q300 125 V / 0.4 A

> 60 V / 1 A 24 V / 2 A

Rated operating voltage 10-250 V Power loss 1.44 W

Category of use AC-15 / B300 250 V / 1,5 A (CCC)
Categories of use AC-15 / B300

DC-13 / Q300

Category of use DC-13 / Q300 240 V / 0,27 A (CCC)

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drawings

System drawing

