

# RAFIX 16, universal switching element, silver, without lamp socket, quick-connect terminal, momentary contact function, 2 NC



### fields of application

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

#### special features

- Geeignet für Not-Halt und Betätiger mit 2 Schaltrichtungen, wie Wahlschalter und Schlüsselschalter
- Sicheres Schalten großer Ströme durch Silberkontakte (max. 250 V / 4 A)
- Öffner-Kontakte zwangstrennend nach IEC 60948-5-1
- Zwei getrennte Schaltkammern, so können zwei unterschiedliche Potenziale geschaltet werden
- Kontaktfunktion tastend (schaltende Funktionen werden über das Betätigungselemente realisiert)
- > Montage durch Aufrasten auf Betätiger
- > Demontage durch Drehen und Abziehen
- Flachsteck-Anschlüsse 2,8 x 0,8 mm (auch mit Leiterplatten-Stecksockel) oder Schraubanschluss



# 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

> general		
Color	light gray	direct links
Operating temperature, min	n25 °C	> RAFI eCatalog
Storage temperature, min.	-40 °C	
Operating temperature, ma	x. 70 °C	
Storage temperature, max.	85 °C	
illuminated	No	
Packaging unit	20 pcs.	

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 2, 2021 **page**: 1/3

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#### technical data sheet

# 1.20.123.024/0000



	net weight	8.4 g
	Operating life	1,000,000 Cycles
	B10	1,300,000 Cycles
	Environment resistance	IEC 60068-2-14
		IEC 60068-2-30
		IEC 60068-2-33
		IEC 60068-2-78
	Shock resistance according to	50 g at 11 ms amplitude semi-sinusoidal
	standard IEC 60068-2-27	
	Vibration-resistance according to	10 g at 20 - 500 Hz
	standard IEC 60068-2-6	
	Protection class	
	MOQ order	20
	RoHS compliant	Yes Yes
、	REACH compliant	tes
1	mounting diameters	44.7 mm
	Mounting depth Outside dimension, length	22.2 mm
	Outside dimension, width	22.2 mm
	Outside dimension, height	34.4 mm
、	mechanical data	34.4 11111
1	Actuation function	momentary contact function
	Operating force, max.	100 N
	Operating travel, max.	3 mm
	Contact function	2 NC
	Contact system	Bridge contact
	Contact system Contact material	Bridge contact Silver
	Contact system Contact material Fixing	Bridge contact Silver Latching
	Contact system Contact material Fixing Terminal on the rear	Bridge contact Silver Latching Flat quick-connect terminal 2.8 x 0.8
>	Contact system Contact material Fixing Terminal on the rear Solderability	Bridge contact Silver Latching
>	Contact system Contact material Fixing Terminal on the rear Solderability <b>electrical data</b>	Bridge contact Silver Latching Flat quick-connect terminal 2.8 x 0.8
>	Contact system Contact material Fixing Terminal on the rear Solderability <b>electrical data</b> Rated insulation voltage	Bridge contact Silver Latching Flat quick-connect terminal 2.8 x 0.8 No
>	Contact system Contact material Fixing Terminal on the rear Solderability <b>electrical data</b> Rated insulation voltage Rated surge voltage	Bridge contact Silver Latching Flat quick-connect terminal 2.8 x 0.8 No
>	Contact system Contact material Fixing Terminal on the rear Solderability <b>electrical data</b> Rated insulation voltage	Bridge contact Silver Latching Flat quick-connect terminal 2.8 x 0.8 No 250 V 2,500 V
>	Contact system Contact material Fixing Terminal on the rear Solderability <b>electrical data</b> Rated insulation voltage Rated surge voltage Voltage type	Bridge contact Silver Latching Flat quick-connect terminal 2.8 x 0.8 No 250 V 2,500 V AC / DC
>	Contact system Contact material Fixing Terminal on the rear Solderability <b>electrical data</b> Rated insulation voltage Rated surge voltage Voltage type Rated operating voltage	Bridge contact Silver Latching Flat quick-connect terminal 2.8 x 0.8 No 250 V 2,500 V AC / DC 10-250 V
>	Contact system Contact material Fixing Terminal on the rear Solderability <b>electrical data</b> Rated insulation voltage Rated surge voltage Voltage type Rated operating voltage Power loss	Bridge contact Silver Latching Flat quick-connect terminal 2.8 x 0.8 No 250 V 2,500 V AC / DC 10-250 V 1.44 W
>	Contact system Contact material Fixing Terminal on the rear Solderability <b>electrical data</b> Rated insulation voltage Rated surge voltage Voltage type Rated operating voltage Power loss Category of use AC-15 / B300	Bridge contact Silver Latching Flat quick-connect terminal 2.8 x 0.8 No 250 V 2,500 V AC / DC 10-250 V 1.44 W 250 V / 1,5 A (CCC)
>	Contact system Contact material Fixing Terminal on the rear Solderability <b>electrical data</b> Rated insulation voltage Rated surge voltage Voltage type Rated operating voltage Power loss Category of use AC-15 / B300	Bridge contact Silver Latching Flat quick-connect terminal 2.8 x 0.8 No 250 V 2,500 V AC / DC 10-250 V 1.44 W 250 V / 1,5 A (CCC) AC-15 / B300

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# drawings

#### System drawing



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