

RAFIX 16 - Universal contact block with coupling monitoring, 2 NC + 1 NO, momentary, silver contacts

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Universal contact blocks have two separate contact chambers and two actuator plungers. This makes it possible to switch two different polarities. The NC contacts are positive opening contacts to IEC 60947-5-1.



One NC in series with a NO contact which is closed in the assembled state. If For the actuator (eg emergency stop) ist separated from the contact block this contact opens and monitors the separation. Approvals: CE, TÜV SÜD

Dimensions

Size not mounted	22.2 mm
Mounting depth (with actuator / indicator)	44.7 mm

Mechanical design

Mounting	snap on actuator
Contact system	bridge-contact self cleaning
Contact materials	Ag
Contact arrangement	2 NC + 1 NO
Contact function	momentary
Lamp socket	-
Terminals	quick connector 2.8 x 0.8 mm
Terminal marking	according to DIN 50013, X1 = +, X2 = -
Operating travel	3 mm
Robustness	100 N

Mechanical characteristics

Robustness	acc. to IEC 60947-5-5
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Electrical characteristics

Rated insulation voltage acc. to VDE 0110, AC	250 V
Rated insulation voltage acc. to VDE 0110, DC	300 V
Ohmic rated current I_R	6 A
Rated motor current $I_{M\text{ nenn}}$	4 A
Application category acc. to VDE 0660 Teil 200	AC 15B 300
Application category acc. to VDE 0660 Teil 200	DC 13Q 300
Rated insulation voltage U_I , AC	250 V
Rated insulation voltage U_I , DC	300 V
Rated voltage U_E / rated current I_E , AC	250 V/1.5 A, 120 V/3.0 A V

Rated voltage U_E / rated current I_E , DC	250 V/0.27 A, 125 V/0.55 A, 60 V/1 A, 24 V/2 A V
Thermic rated current I_{the} , AC	5 A
Thermic rated current I_{the} , DC	2.5 A
Operating life switching element AC	100,000 at 6A, 800,000 at 2A
Operating life switching element DC	250,000 at 220 V/0.2 A, 1,000,000 at 24 V/2 A
Rated power DC	$10 \times I_E$
Rated power AC	$1.1 \times I_E$
Contact resistance when new max.	20 m Ω

Other specifications

Protection class	II
Corresponding to EU directive NSR 72/73	yes
Shock resistance acc. to IEC 60068-2-27	amplitude < 50g, 11ms, half sinusoidal
Operation temperature min.	-25 °C
Ambient temp. operating max. without lamp / LED	+70 °C
Ambient temp. operating max. with lamp /LED	+55 °C
Storage temperature min.	-40 °C
Storage temperature max.	+85 °C
Color code	grey bottom
Environmental resistance	acc. to IEC 60068-2-14, -30, -33 and -78
Mechanical operating life latching (operations)	100,000
Resistance to vibrations acc. to IEC 60068-2-6	10 g at 20 ... 500 Hz
Flame class acc. to UL 94	V 0
Hot wire ignition acc. to IEC 60695-2-1	yes
ROHS compliant	yes
REACH compliant	yes

with contact block / lamp socket



