

RAFIX 22 QR - Contact block with silver contacts, with coupling, without lamp socket, screw terminals, 1 NC 1.20.124.001/0000



Dimensions with coupling 39.5 x 49.9 x 30 mm	Dimensions	
Mechanical design snap on coupling and actuator Contact system bridge-contact self cleaning Contact materials Ag Contact arrangement 1 NC Coupling position 1 (1/2) - Coupling position 2 (3/4) 1 NC NC contact forcibly actuated acc. to IEC 60947-8-1 yes Terminals screw terminals Terminal marking color encoded Robustness 100 N Wire range solid wires without wire end sleeves 2 x 0.75 2.5 mm² Wire range stranded wires without end sleeves 2 x 1.0 1.5 (2 x 0.08 2.5) mm² Stripping length, solid or stranded 8 mm Wire range with wire end sleeves 2 x 0.75 1.5 mm² Electrice characteristics acc. to IEC 60947 400 V Rated insulation voltage AC/DC 400 V Rated operating current I _e AC 12 / DC 12 10 A Rated operating current I _e AC-15 125 V/10 A, 250 V/6 A, 400 V/3.5 A Rated operating current I _e DC-13 Q300 24V/2.75A, 60V/1.1A, 125V/0.55A, 250V/0.275A Degree of pollution 3 mm Positive opening travel 3 mm		39.5 x 49.9 x 30 mm
Mechanical design snap on coupling and actuator Contact system bridge-contact self cleaning Contact materials Ag Contact arrangement 1 NC Coupling position 1 (1/2) - Coupling position 2 (3/4) 1 NC NC contact forcibly actuated acc. to IEC 60947-5-1 yes Terminals screw terminals Terminal marking color encoded Robustness 100 N Wire range solid wires without wire end sleeves 2 x 0.75 2.5 mm² Wire range stranded wires without end sleeves 8 mm Wire range with wire end sleeves 2 x 0.75 1.5 mm² Electrice characteristics acc. to IEC 60947 8 mm Rated insulation voltage AC/DC 400 V Rated operating current I _e AC 12 / DC 12 10 A Rated operating current I _e AC-15 125 V/10 A, 250 V/6 A, 400 V/3.5 A Rated operating current I _e DC-13 Q300 24V/2.75A, 60V/1.1A, 125V/0.55A, 250V/0.275A Degree of pollution 3 Positive opening travel 3 mm Operating speed 5 1000 mm/c Electrice characteristics acc. to IEC		
Mounting snap on coupling and actuator Contact system bridge-contact self cleaning Contact materials Ag Contact position 1 (1/2) - Coupling position 3 (5/6), centre - Coupling position 2 (3/4) 1 NC NC contact forcibly actuated acc. to IEC 80947-5-1 yes Terminals screw terminals Terminal marking color encoded Robustness 100 N Wire range solid wires without wire end sleeves 2 x 0.75 2.5 mm² Wire range stranded wires without end sleeves 2 x 1.0 1.5 (2 x 0.08 2.5) mm² Stripping length, solid or stranded 8 mm Wire range with wire end sleeves 2 x 0.75 1.5 mm² Electrice characteristics acc. to IEC 60947 Electrice characteristics acc. to IEC 60947 Rated peak voltage 6,000 V Rated operating current I _e AC 12 / DC 12 10 A Rated operating current I _e AC-15 125 V/10 A, 250 V/6 A, 400 V/3.5 A Rated operating current I _e DC-13 Q300 24V/2.75A, 60V/1.1A, 125V/0.55A, 250V/0.275A Degree of pollution 3 mm Operating speed 5 1000 m	meaning depart material days	<u> </u>
Contact system bridge-contact self cleaning Contact materials Ag Contact arrangement 1 NC Coupling position 1 (1/2) - Coupling position 2 (3/4) 1 NC NC contact forcibly actuated acc. to IEC 60947-6-1 yes Terminals screw terminals Terminal marking color encoded Robustness 100 N Wire range solid wires without wire end sleeves 2 x 0.75 2.5 mm² Wire range stranded wires without end sleeves 2 x 1.01.5 (2 x 0.08 2.5) mm² Stripping length, solid or stranded 8 mm Wire range with wire end sleeves 2 x 0.75 1.5 mm² Electrice characteristics acc. to IEC 60947 8 mm Rated insulation voltage AC/DC 400 V Rated operating current I _e AC 12 / DC 12 10 A Rated operating current I _e AC-15 125 V/10 A, 250 V/6 A, 400 V/3.5 A Rated operating current I _e DC-13 Q300 24V/2.75A, 60V/1.1A, 125V/0.55A, 250V/0.275A Degree of pollution 3 Positive opening travel 3 mm Operating speed 5 1000 mm/c Electrice cha	Mechanical design	
Contact materials	Mounting	snap on coupling and actuator
Contact arrangement	Contact system	bridge-contact self cleaning
Coupling position 1 (1/2)	Contact materials	Ag
Coupling position 3 (5/6), centre	Contact arrangement	1 NC
Coupling position 2 (3/4) 1 NC NC contact forcibly actuated acc. to IEC 60947-5-1 yes Terminals screw terminals Terminal marking color encoded Robustness 100 N Wire range solid wires without wire end sleeves 2 x 0.75 2.5 mm² Wire range stranded wires without end sleeves 2 x 1.01.5 (2 x 0.08 2.5) mm² Stripping length, solid or stranded 8 mm Wire range with wire end sleeves 2 x 0.75 1.5 mm² Electrice characteristics acc. to IEC 60947 400 V Rated insulation voltage AC/DC 400 V Rated operating current I _e AC 12 / DC 12 10 A Rated operating current I _e AC-15 125 V/10 A, 250 V/6 A, 400 V/3.5 A Rated operating current I _e DC-13 Q300 24V/2.75A, 60V/1.1A, 125V/0.55A, 250V/0.275A Degree of pollution 3 Positive opening travel 3 mm Operating speed 5 1000 mm/c Electrice characteristics acc. to IEC 61058 Resistive load AC 10 A/250 V; 7.5 A / 400 V Motor load AC 6 A / 250 V; 4 A / 400 V (5 A / 250 V) Peak input current filament lamp AC	Coupling position 1 (1/2)	-
NC contact forcibly actuated acc. to IEC 60947-5-1 yes Terminals screw terminals Terminal marking color encoded Robustness 100 N Wire range solid wires without wire end sleeves 2 x 0.75 2.5 mm² Wire range stranded wires without end sleeves 2 x 1.0 1.5 (2 x 0.08 2.5) mm² Stripping length, solid or stranded 8 mm Wire range with wire end sleeves 2 x 0.75 1.5 mm² Electrice characteristics acc. to IEC 60947 Rated insulation voltage AC/DC 400 V Rated operating current I _e AC 12 / DC 12 10 A Rated operating current I _e AC-15 125 V/10 A, 250 V/6 A, 400 V/3.5 A Rated operating current I _e DC-13 Q300 24V/2.75A, 60V/1.1A, 125V/0.55A, 250V/0.275A Degree of pollution 3 Positive opening travel 3 mm Operating speed 5 1000 mm/c Electrice characteristics acc. to IEC 61058 Resistive load AC 10 A /250 V; 7.5 A / 400 V Motor load AC 6 A / 250 V; 4 A / 400 V (5 A / 250 V) Peak input current filament lamp AC 36 A	Coupling position 3 (5/6), centre	<u>-</u> -
60947-5-1 yes Terminals screw terminals Terminal marking color encoded Robustness 100 N Wire range solid wires without wire end sleeves 2 x 0.75 2.5 mm² Wire range stranded wires without end sleeves 2 x 1.01.5 (2 x 0.08 2.5) mm² Stripping length, solid or stranded 8 mm Wire range with wire end sleeves 2 x 0.75 1.5 mm² Electrice characteristics acc. to IEC 60947 Rated insulation voltage AC/DC 400 V Rated operating current I _e AC 12 / DC 12 10 A Rated operating current I _e AC-15 125 V/10 A, 250 V/6 A, 400 V/3.5 A Rated operating current I _e DC-13 Q300 24V/2.75A, 60V/1.1A, 125V/0.55A, 250V/0.275A Degree of pollution 3 Positive opening travel 3 mm Operating speed 5 1000 mm/c Electrice characteristics acc. to IEC 61058 Resistive load AC 10 A /250 V; 7.5 A / 400 V Motor load AC 6 A / 250 V; 4 A / 400 V (5 A / 250 V) Peak input current filament lamp AC 36 A	Coupling position 2 (3/4)	1 NC
Terminal marking		yes
Robustness 100 N	Terminals	screw terminals
Wire range solid wires without wire end sleeves Wire range stranded wires without end sleeves Stripping length, solid or stranded Wire range with wire end sleeves 2 x 1.01.5 (2 x 0.08 2.5) mm² 8 mm Wire range with wire end sleeves 2 x 0.75 1.5 mm² Electrice characteristics acc. to IEC 60947 Rated insulation voltage AC/DC Rated peak voltage Rated operating current I _e AC 12 / DC 12 10 A Rated operating current I _e AC-15 Rated operating current I _e DC-13 Q300 24V/2.75A, 60V/1.1A, 125V/0.55A, 250V/0.275A Degree of pollution 3 mm Operating speed 5 1000 mm/c Electrice characteristics acc. to IEC 61058 Resistive load AC Motor load AC 6 A / 250 V; 7.5 A / 400 V 6 A / 250 V) Peak input current filament lamp AC	Terminal marking	color encoded
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Stripping length, solid or stranded Wire range with wire end sleeves Electrice characteristics acc. to IEC 60947 Rated insulation voltage AC/DC Rated peak voltage Rated operating current I _e AC 12 / DC 12 10 A Rated operating current I _e AC-15 125 V/10 A, 250 V/6 A, 400 V/3.5 A Rated operating current I _e DC-13 Q300 24V/2.75A, 60V/1.1A, 125V/0.55A, 250V/0.275A Degree of pollution 3 Positive opening travel Operating speed 5 1000 mm/c Electrice characteristics acc. to IEC 61058 Resistive load AC Motor load AC Peak input current filament lamp AC 8 mm 2 x 0.75 1.5 mm² 400 V 5 A / 250 V; 7.5 A / 400 V 40	Wire range solid wires without wire end sleeves	2 x 0.75 2.5 mm ²
Stripping length, solid or stranded Wire range with wire end sleeves Electrice characteristics acc. to IEC 60947 Rated insulation voltage AC/DC Rated peak voltage Rated operating current I _e AC 12 / DC 12 10 A Rated operating current I _e AC-15 125 V/10 A, 250 V/6 A, 400 V/3.5 A Rated operating current I _e DC-13 Q300 24V/2.75A, 60V/1.1A, 125V/0.55A, 250V/0.275A Degree of pollution 3 Positive opening travel Operating speed 5 1000 mm/c Electrice characteristics acc. to IEC 61058 Resistive load AC Motor load AC Peak input current filament lamp AC 8 mm 2 x 0.75 1.5 mm² 400 V 5 A / 250 V; 7.5 A / 400 V 40	Wire range stranded wires without end sleeves	2 x 1.01.5 (2 x 0.08 2.5) mm ²
Electrice characteristics acc. to IEC 60947 Rated insulation voltage AC/DC 400 V Rated peak voltage 6,000 V Rated operating current I _e AC 12 / DC 12 10 A Rated operating current I _e AC-15 125 V/10 A, 250 V/6 A, 400 V/3.5 A Rated operating current I _e DC-13 Q300 24V/2.75A, 60V/1.1A, 125V/0.55A, 250V/0.275A Degree of pollution 3 Positive opening travel 3 mm Operating speed 5 1000 mm/c Electrice characteristics acc. to IEC 61058 Resistive load AC Motor load AC 6 A / 250 V; 7.5 A / 400 V Peak input current filament lamp AC 36 A	Stripping length, solid or stranded	 '
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Rated insulation voltage AC/DC 400 V Rated peak voltage 6,000 V Rated operating current I _e AC 12 / DC 12 10 A Rated operating current I _e AC-15 125 V/10 A, 250 V/6 A, 400 V/3.5 A Rated operating current I _e DC-13 Q300 24V/2.75A, 60V/1.1A, 125V/0.55A, 250V/0.275A Degree of pollution 3 Positive opening travel 3 mm Operating speed 5 1000 mm/c Electrice characteristics acc. to IEC 61058 Resistive load AC 10 A /250 V; 7.5 A / 400 V Motor load AC 6 A / 250 V; 4 A / 400 V (5 A / 250 V) Peak input current filament lamp AC 36 A		
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Rated operating current I _e AC 12 / DC 12		
10 A		6,000 V
Rated operating current I _e AC-15	Rated operating current I _e AC 12 / DC 12	10.4
125 V/10 A, 250 V/6 A, 400 V/3.5 A	Detect encycling assembly AC 45	10 A
Rated operating current I _e DC-13 Q300 24V/2.75A, 60V/1.1A, 125V/0.55A, 250V/0.275A Degree of pollution 3 Positive opening travel 3 mm Operating speed 5 1000 mm/c Electrice characteristics acc. to IEC 61058 Resistive load AC Motor load AC Peak input current filament lamp AC 24V/2.75A, 60V/1.1A, 125V/0.55A, 250V/0.275A 3 10 A /250 V; 7.5 A / 400 V 6 A / 250 V; 4 A / 400 V (5 A / 250 V) 36 A	Rated operating current le AC-15	125 V/10 A 250 V/6 A 400 V/3 5 A
Degree of pollution 3 Positive opening travel 3 mm Operating speed 5 1000 mm/c Electrice characteristics acc. to IEC 61058 Resistive load AC 10 A /250 V; 7.5 A / 400 V Motor load AC 6 A / 250 V; 4 A / 400 V (5 A / 250 V) Peak input current filament lamp AC 36 A	Rated operating current L DC-13 O300	120 171071, 200 17071, 100 170.071
Positive opening travel Operating speed 5 1000 mm/c Electrice characteristics acc. to IEC 61058 Resistive load AC Motor load AC Peak input current filament lamp AC 3 mm 5 1000 mm/c 10 A /250 V; 7.5 A / 400 V 6 A / 250 V; 4 A / 400 V (5 A / 250 V)	Traced operating current ig 20 To 4000	24V/2.75A, 60V/1.1A, 125V/0.55A, 250V/0.275A
Positive opening travel Operating speed 5 1000 mm/c Electrice characteristics acc. to IEC 61058 Resistive load AC Motor load AC Peak input current filament lamp AC 3 mm 5 1000 mm/c 10 A /250 V; 7.5 A / 400 V 6 A / 250 V; 4 A / 400 V (5 A / 250 V)	Degree of pollution	3
Operating speed 5 1000 mm/c Electrice characteristics acc. to IEC 61058 Resistive load AC 10 A /250 V; 7.5 A / 400 V Motor load AC 6 A / 250 V; 4 A / 400 V (5 A / 250 V) Peak input current filament lamp AC 36 A		
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Resistive load AC 10 A /250 V; 7.5 A / 400 V Motor load AC 6 A / 250 V; 4 A / 400 V (5 A / 250 V) Peak input current filament lamp AC 36 A		
Motor load AC Peak input current filament lamp AC 6 A / 250 V; 4 A / 400 V (5 A / 250 V) 36 A		
Peak input current filament lamp AC 36 A		
	Motor load AC	6 A / 250 V; 4 A / 400 V (5 A / 250 V)
Peak capacity input current AC 100 A	Peak input current filament lamp AC	36 A
	Peak capacity input current AC	100 A



Protection class	<u>II </u>
Lamp characteristics	
Lamp characteristics	BA 9 s
Lamp characteristics	DA 9 9
Other specifications	
Operating life at 10 A/250 V AC	70,000 (10A), 200,000 (5A)
Switching reliability at 24V/5mA DC	10 x 10 ⁻⁶
Robustness	acc. to IEC 60947-5-5
Corresponding to CE	acc. EU-guideline NSR 72/73
Shock resistance acc. to IEC 60068-2-27	15 g at 11 ms, amplitude half sinusoidal
Resistance to vibrations acc. to IEC 60068-2-6	5 g at 10 500 Hz
Ambient temp. operating min.	-25 °C
Ambient temp. operating max.	+70°C (+50°C)
Storage temperature min.	-40 °C
Storage temperature max.	+80 °C
Flame class acc. to UL 94	V 0
Hot wire ignition acc. to IEC 60695-2-1	yes
Environmental restistance	acc. to IEC 60068-2-14, -30, -33 and -78
ROHS compliant	yes
REACH compliant	yes

with contact block

