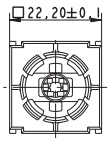
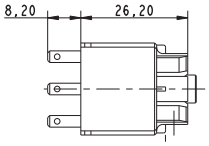
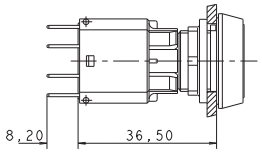
RAFIX 16 - Contact blocks with silver contacts







2

RAFIX 16

Technical Data

Dimensions

Size not mounted	see order block
Mounting depth (with actuator / indicator)	see order block

Mechanical design

Mounting	snap on actuator
Contact system	bridge-contact self cleaning
Contact materials	Ag
Contact arrangement	see order block
Contact function	see order block
Lamp socket	see order block
Terminals	see order block
Terminal marking	according to DIN 50013, X1 = +, X2 = -
Operating travel	3 mm
Robustness	100 N

Mechanical characteristics

Robustness	acc. to IEC 60947-5-5

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 $I_{M\ nenn}$	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/	250 V/1.5 A,
Rated current I_E, AC	120 V/3.0 A V
Rated voltage U_E/	250 V/0.27 A,
Rated current I_E,DC	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 x I_E
Rated power AC	1.1 x I_E
Contact resistance when new max.	20 mΩ

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
Colour code	grey bottom
Environmental restistance	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

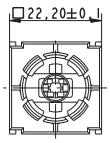
Approvals

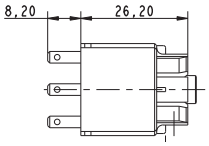
IEC 61058 C22.2 No. 14-M91

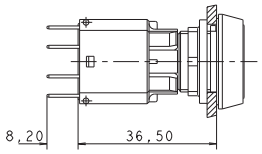
Typical accessories RAFIX 16 - Contact blocks with silver contacts

Description	Photo	Order no.	Additional accessories see page
Filament lamp, W 2 x 4.6d base, 24 - 30 V		**1.90.120.005/0000**	5 - 4
Filament lamp, W 2 x 4.6d base, 60 V		**1.90.120.009/0000**	5 - 4
Filament lamp, W 2 x 4.6d base, 48 V		**1.90.120.010/0000**	5 - 4
Filament lamp, W 2 x 4.6d base, 24 V		**1.90.120.011/0000**	5 - 4
Filament lamp, W 2 x 4.6d base, 12 V		**1.90.120.012/0000**	5 - 4
LED W 2 x 4.6d superbright, red, 24 V		**1.90.690.361/0000**	5 - 14
LED W 2 x 4.6d superbright, green, 24 V		**1.90.690.362/0000**	5 - 14
LED W 2 x 4.6d superbright, yellow, 24 V		**1.90.690.363/0000**	5 - 14
LED W 2 x 4.6d superbright, blue, 24 V		**1.90.690.364/0000**	5 - 14
LED W 2 x 4.6d superbright, white, 24 V		**1.90.690.365/0000**	5 - 14
Multipole connector		**5.05.510.421/0000**	2 - 93
PCB plug-in socket, 10 contacts (universal application)		**5.05.510.644/0000**	2 - 92
Female quick-connect terminal DIN 46340-B 2.8-1-MS		**5.37.540.024/8622**	2 - 93, 2 - 236
Plug distributor		**5.37.540.029/6000**	2 - 93
Protection against contact		**5.55.103.105/0100**	2 - 94

RAFIX 16 - Standard contact block, silver contacts, with quick-connect terminals







Contact function	Contact arrangement	Lamp socket	Rated insulation voltage U_i, AC	Ohmic rated current I_R	Order no.
momentary	1 NC + 1 NO	W 2 x 4.6d	250 V	6 A	**1.20.122.001/0000**
momentary	2 NO	W 2 x 4.6d	250 V	6 A	**1.20.122.002/0000**
momentary	2 NC	W 2 x 4.6d	250 V	6 A	**1.20.122.003/0000**
latching	1 NC + 1 NO	W 2 x 4.6d	250 V	6 A	**1.20.122.041/0000**
latching	2 NO	W 2 x 4.6d	250 V	6 A	**1.20.122.042/0000**
momentary	1 NC + 1 NO	-	250 V	6 A	**1.20.122.021/0000**
momentary	2 NO	-	250 V	6 A	**1.20.122.022/0000**
momentary	2 NC	-	250 V	6 A	**1.20.122.023/0000**
latching	1 NC + 1 NO	-	250 V	6 A	**1.20.122.061/0000**
latching	2 NO	-	250 V	6 A	**1.20.122.062/0000**

Technical data see page 2 - 80

Standard contact blocks have one common contact chamber and one actuator plunger.
Contact blocks with „latching“ contact function are used as switches. When combined with pushbuttons and mushroom actuators, the switching position is visible, releasing is effected by actuating again.

Stock items are marked by **bold printed order numbers.**