

2

RAFIX

16

General data

RAFIX 16 control component range

- For a mounting hole diameter of 16.2 mm to IEC 60947
- 250V/6A max.
- Water-jet proof IP65
- Contact blocks: Gold and silver contacts with quick-connect terminals 2.8 x 0.8 mm; Option: PCB plug-in socket
- 3 collar shapes, low-profile design
- The lamps of the pushbuttons can be replaced from the front or rear.
- The contact blocks snap directly onto the actuators without a coupling element and can be easily removed by turning = cost reducing assembly.

The specified data apply only if actuators/signal indicators are combined with contact blocks and lamp sockets within the same product range.

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by **bold printed** order numbers.



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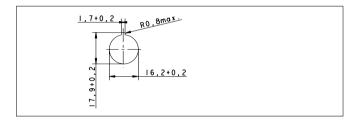


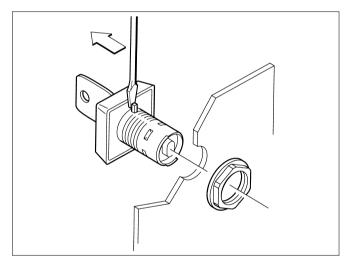
General information

RAFIX 16 is a complete control component series for a mounting hole diameter of 16.2 mm. It enables you to design attractive control panels with a minimum of space requirements and at the same time sufficiently large actuating areas.

Actuators

- Mounting hole ø 16.2 mm to DIN EN 50 007





- Locating lug (easily removable).
 The locating lug can be easily removed using a screw-driver.
- Degree of protection IP 65 on panel.
 This is achieved by a reliable, tried and tested special seal.
- Grid spacing 25 x 25 mm
- Low-profile design, 7 mm height from front panel
- Three collar shapes, in black
 - Square 25 x 25 mm
 - Round 25 mm
 - Square 25 x 25 mm, alignable in flush fitting rows, which avoids accumulation of dirt between the collars.

Contact blocks

- Standard (for actuators with one-way operation)
 - · with latching mechanism (latching switch)
 - without latching mechanism (momentary switch)
- Universal (for actuators with two-way operation, e. g. selector switches)
 - · without latching mechanism

Contact material

- Silver contacts for mains voltage
- Gold contacts for electronic circuits

Illumination

- Wedge base lamp W 2 x 4.6 d

Assembly

- Single-handed cost-effectiv assembly method
- Panel thickness 0.5 ... 5 mm
- Fixing with hexagon nut
- Starting torque 1.2 Nm max.

Shock-resistance according to IEC 600 68-2-27

- Shock amplitude: \leq 50 g
- Shock time: 11 ms
- Shock type: half sinusoidal

Environment conditions

- Constant environment: acc. to IEC 600 68-2-3 and 2-30
- Variable environment: acc. to IEC 600 68-2-14 and 2-33

Temperature range

- Operating temperature:
 non-illuminated: 25 ... + 70 ° C
 illuminated: 25 ... + 55° C
- Storage temperature: 40 ... + 85° C

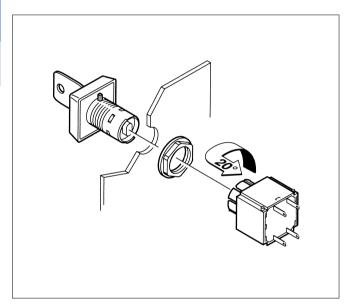


CE-Conformity RAFIX® 16

Combination actuator and	Order no. Limit		EU-Di	rective
contact block			NSR 73/23	Ma. Dir. 89/392
All actuators All contact blocks with silver contacts	1.3007 1.2012	6(4) A/250 V AC	•	_
Emergency stop Contact blocks with silver contacts	1.30074 1.20123	6(4) A/250 V AC	•	•
Emergency stop, Universal contact blocks with gold contacts	1.30074 1.20123	250 mA/42 V AC/DC	-	•
Signal indicator lamp socket	1.62124 1.71212	1,2 W/60 V AC/DC	•	-

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RAFIX 16



Assembly/Disassembly

Assembly

- Insert the actuator through the panel cut-out from the front.
 - If there is no locating indent provided in the cut-out, first remove the locating lug using a screwdriver.
- Screw the hexagon nut onto the actuator or signal indicator from the rear and tighten it using a fixing spanner.
- Slide the contact block onto the actuator from the rear with an audible click.
- Install protection against accidental contact, if applicable.
- Connect quick-connect terminals.
- Alternatively, connect crimped female quick-connect terminals to multipole connector and plug it onto the contact block.
- Alternatively, conntact the plug-in socket soldered onto

Disassembly

- Turn the contact block by approx. 20° to the left or right – the latches open.
- Pull the contact block off towards the rear (commercially available flat nose pliers recommended).
 To dismount a PCB, pull the PCB with the soldered plug-in sockets off the mounted contact blocks.

2 - 6 Control Components

Legending

All elements can be labelled using a separate label holder. The label holder is mounted together with the actuator/signal indicator. For order numbers and standard legend, refer to the section "Legending". Non-illuminated pushbuttons and mushroom-headed pushbuttons can be printed or laser engraved.

All illuminated pushbuttons and the majority of the signal indicators can be labelled by means of legend inserts. The legend inserts are fitted between actuator body and lens and can be easily changed.

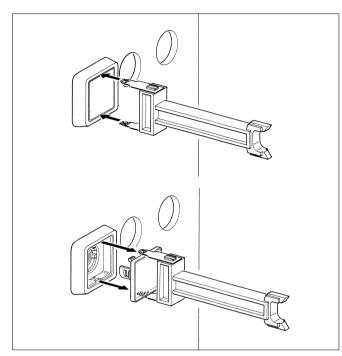
Rafi can also provide you custom legending. Price and delivery on request.

Lamp replacement from front

Use the disassembly tool to grasp the actuator body and pull it towards the front with the lens.

Alternatively, you can use a screwdriver in place of the disassembly tool. In this case, insert the screwdriver between actuator body and collar and carefully raise the actuator body.

Replace the lamp using a lamp extractor or a suitable insulation sleeve.

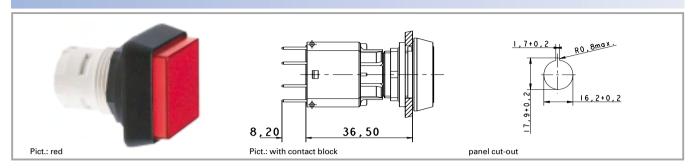


Lamp replacement from front

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RAFIX 16 pushbutton



Technical data

General information

Form of lens Colour of lens Form of collar

Dimensions

Length of collar
Diameter of collar
Key grid
Width of collar
Overall height
Mounting depth
Mounting hole

Mechanical design

Mounting Contact function Contact arrangement Illuminability see order block see order block see order block

see order block see order block 25 x 25 mm see order block see order block 44.7 mm 16.2 mm

ring nut according to

according to contact block according to contact block see order block

Mechanical characteristics

Operating travel 3 mm Robustness min. 100 N

Other specifications

Operating life 2000000 Degree of protection from front side IP65 Ambient temp, operating -25 °C min. Ambient temp. operating +70 °C without lamp max. -40 °C Storage temperature min. Storage temperature max. +85 °C Resistance to constant

Resistance at variable environment

environment

according to IEC 600 68-2-3 and 2-30

according to

IEC 600 68-2-14 and 2-33

Accessories RAFIX 16 pushbutton

Description	Photo	Order no.	Page
RAFIX 16 standard contact block, 1 NC + 1 NO, momentary, silver contacts, with lamp socket	衛	1.20.122.001/0000	2 - 64
RAFIX 16 standard contact block, 1 NC + 1 NO, momentary, gold contacts, with lamp socket	衛	1.20.122.011/0000	2 - 60
RAFIX 16 standard contact block, 1 NC + 1 NO, momentary, silver contacts, without lamp socket	曲	1.20.122.021/0000	2 - 64
RAFIX 16 standard contact block, 1 NC + 1 NO, momentary, gold contacts, without lamp socket	曲	1.20.122.031/0000	2 - 60
LED W 2 x 4.6d superbright, white, 24 V		1.90.690.365/0000	5 - 16
Disassembly tool for LUMOTAST 25, RAFIX 16		5.05.800.042/0000	2 - 74 5 - 26
Label holder, flush, for square collar	8	5.07.620.004/0000	2 - 76

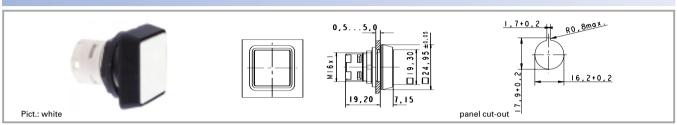
RAFIX 16



Accessories RAFIX 16 pushbutton

Description	Photo	Order no.	Page
Fixing spanner for hexagon nut		5.58.002.034/0000	2 - 75

RAFIX 16 pushbutton, flush lens, square collar



Illuminability	Colour of lens	Order no. complete	Order no. single parts	
			Housing	Lens
yes	transparent colourless	1.30.070.001/1002	1.30.070.501/0000	5.49.077.011/1002
yes	transparent red	1.30.070.001/1306	1.30.070.501/0000	5.49.077.011/1306
yes	transparent yellow	1.30.070.001/1403	1.30.070.501/0000	5.49.077.011/1403
yes	transparent green	1.30.070.001/1505	1.30.070.501/0000	5.49.077.011/1505
yes	transparent blue	1.30.070.001/1607	1.30.070.501/0000	5.49.077.011/1607
no	opaque black	1.30.070.251/0100	1.30.070.751/0000	5.05.510.640/0100
no	opaque white	1.30.070.251/0200	1.30.070.751/0000	5.05.510.640/0200
no	opaque red	1.30.070.251/0300	1.30.070.751/0000	5.05.510.640/0300
no	opaque yellow	1.30.070.251/0400	1.30.070.751/0000	5.05.510.640/0400
no	opaque green	1.30.070.251/0500	1.30.070.751/0000	5.05.510.640/0500
no	opaque blue	1.30.070.251/0600	1.30.070.751/0000	5.05.510.640/0600

Technical data see page 2 - 8

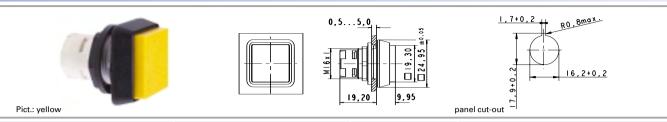
Accessories:

Legend insert, blank, use only for transparent lenses: 5.70.635.000/2000

For the "latching" function, please use the standard contact block with "latching" function.



RAFIX 16 pushbutton, protruding lens, square collar



Illuminability	Colour of lens	Order no. complete	Order no. single parts	
			Housing	Lens
yes	transparent colourless	1.30.070.051/1002	1.30.070.551/0000	5.49.077.012/1002
yes	transparent red	1.30.070.051/1306	1.30.070.551/0000	5.49.077.012/1306
yes	transparent yellow	1.30.070.051/1403	1.30.070.551/0000	5.49.077.012/1403
yes	transparent green	1.30.070.051/1505	1.30.070.551/0000	5.49.077.012/1505
yes	transparent blue	1.30.070.051/1607	1.30.070.551/0000	5.49.077.012/1607
no	opaque black	1.30.070.301/0100		
no	opaque white	1.30.070.301/0200		
no	opaque red	1.30.070.301/0300		
no	opaque yellow	1.30.070.301/0400		
no	opaque green	1.30.070.301/0500		
no	opaque blue	1.30.070.301/0600		

Technical data see page 2 - 8

Accessories:

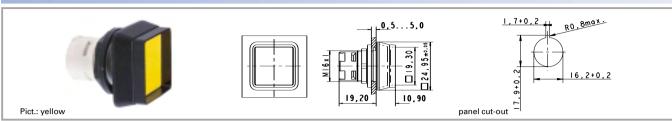
Legend insert, blank, use only for transparent lenses: 5.70.635.000/2000

For the "latching" function, please use the standard contact block with "latching" function.

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RAFIX 16 pushbutton, protruding collar, square collar



Illuminability	Colour of lens	Order no. complete	Order no. single parts		
			Housing	Lens	
yes	transparent colourless	1.30.070.101/1002	1.30.070.601/0000	5.49.077.011/1002	
yes	transparent red	1.30.070.101/1306	1.30.070.601/0000	5.49.077.011/1306	
yes	transparent yellow	1.30.070.101/1403	1.30.070.601/0000	5.49.077.011/1403	
yes	transparent green	1.30.070.101/1505	1.30.070.601/0000	5.49.077.011/1505	
yes	transparent blue	1.30.070.101/1607	1.30.070.601/0000	5.49.077.011/1607	
no	opaque black	1.30.070.351/0100	1.30.070.851/0000	5.05.510.640/0100	
no	opaque white	1.30.070.351/0200	1.30.070.851/0000	5.05.510.640/0200	
no	opaque red	1.30.070.351/0300	1.30.070.851/0000	5.05.510.640/0300	
no	opaque yellow	1.30.070.351/0400	1.30.070.851/0000	5.05.510.640/0400	
no	opaque green	1.30.070.351/0500	1.30.070.851/0000	5.05.510.640/0500	
no	opaque blue	1.30.070.351/0600	1.30.070.851/0000	5.05.510.640/0600	

Technical data see page 2 - 8

Accessories:

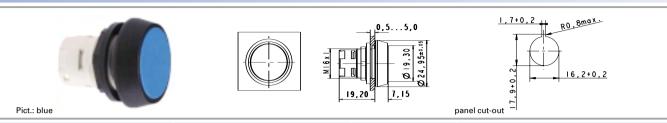
Legend insert, blank, use only for transparent lenses: 5.70.635.000/2000

The protruding collar offers protection against inadvertent operation and thereby fulfils the safety requirements of various machinery manufacturers, particularly in the printing industry.

For the "latching" function, please use the standard contact block with "latching" function.



RAFIX 16 pushbutton, flush lens, round collar



Illuminability	Colour of lens	Order no. complete	Order no. single parts	
			Housing	Lens
yes	transparent colourless	1.30.070.021/1002	1.30.070.521/0000	5.49.259.017/1002
yes	transparent red	1.30.070.021/1306	1.30.070.521/0000	5.49.259.017/1306
yes	transparent yellow	1.30.070.021/1403	1.30.070.521/0000	5.49.259.017/1403
yes	transparent green	1.30.070.021/1505	1.30.070.521/0000	5.49.259.017/1505
yes	transparent blue	1.30.070.021/1607	1.30.070.521/0000	5.49.259.017/1607
no	opaque black	1.30.070.271/0100	1.30.070.771/0000	5.05.510.641/0100
no	opaque white	1.30.070.271/0200	1.30.070.771/0000	5.05.510.641/0200
no	opaque red	1.30.070.271/0300	1.30.070.771/0000	5.05.510.641/0300
no	opaque yellow	1.30.070.271/0400	1.30.070.771/0000	5.05.510.641/0400
no	opaque green	1.30.070.271/0500	1.30.070.771/0000	5.05.510.641/0500
no	opaque blue	1.30.070.271/0600	1.30.070.771/0000	5.05.510.641/0600

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Accessories:

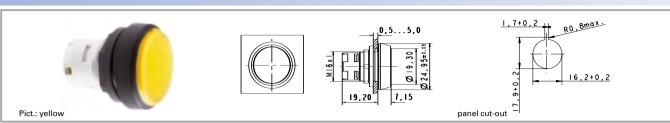
Legend insert, blank, use only for transparent lenses: 5.70.637.000/2000

For the "latching" function, please use the standard contact block with "latching" function.

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RAFIX 16 pushbutton IP66 with protective cap



Illuminability	Colour of lens	Order no. complete	Order no. single parts	
			Housing	Lens
yes	transparent colourless	1.30.070.026/1002		
res	transparent red	1.30.070.026/1306		
yes	transparent yellow	1.30.070.026/1403		
yes	transparent green	1.30.070.026/1505		
yes	transparent blue	1.30.070.026/1607		
no	opaque black	1.30.070.276/0100		
no	opaque white	1.30.070.276/0200		
าด	opaque red	1.30.070.276/0300		
าด	opaque yellow	1.30.070.276/0400		
10	opaque green	1.30.070.276/0500		
no	opaque blue	1.30.070.276/0600		

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Accessories:

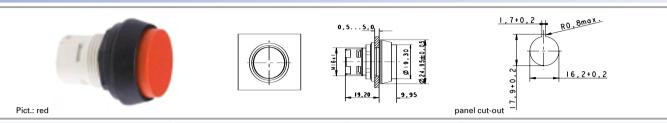
Legend insert, blank, use only for transparent lenses: 5.70.637.000/2000

Pushbutton for use in hostile environments. A transparent protective cap ensures a degree of protection of IP 66 to DIN/IEC. Operating life: 500,000 operations.

For the "latching" function, please use the standard contact block with "latching" function.



RAFIX 16 pushbutton, protruding lens, round collar



Illuminability	Colour of lens	Order no. complete	Order no. single parts		
			Housing	Lens	
yes	transparent colourless	1.30.070.071/1002	1.30.070.571/0000	5.49.259.018/1002	
yes	transparent red	1.30.070.071/1306	1.30.070.571/0000	5.49.259.018/1306	
yes	transparent yellow	1.30.070.071/1403	1.30.070.571/0000	5.49.259.018/1403	
yes	transparent green	1.30.070.071/1505	1.30.070.571/0000	5.49.259.018/1505	
yes	transparent blue	1.30.070.071/1607	1.30.070.571/0000	5.49.259.018/1607	
no	opaque black	1.30.070.321/0100			
no	opaque white	1.30.070.321/0200			
no	opaque red	1.30.070.321/0300			
no	opaque yellow	1.30.070.321/0400			
no	opaque green	1.30.070.321/0500			
no	opaque blue	1.30.070.321/0600			

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Accessories:

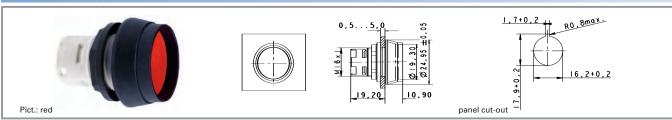
Legend insert, blank, use only for transparent lenses: 5.70.637.000/2000

For the "latching" function, please use the standard contact block with "latching" function.

2



RAFIX 16 pushbutton, protruding collar, round collar



Illuminability	Colour of lens	Order no. complete	Order no. single parts	
			Housing	Lens
yes	transparent colourless	1.30.070.121/1002	1.30.070.621/0000	5.49.259.017/1002
yes	transparent red	1.30.070.121/1306	1.30.070.621/0000	5.49.259.017/1306
yes	transparent yellow	1.30.070.121/1403	1.30.070.621/0000	5.49.259.017/1403
yes	transparent green	1.30.070.121/1505	1.30.070.621/0000	5.49.259.017/1505
yes	transparent blue	1.30.070.121/1607	1.30.070.621/0000	5.49.259.017/1607
no	opaque black	1.30.070.371/0100	1.30.070.871/0000	5.05.510.641/0100
no	opaque white	1.30.070.371/0200	1.30.070.871/0000	5.05.510.641/0200
no	opaque red	1.30.070.371/0300	1.30.070.871/0000	5.05.510.641/0300
no	opaque yellow	1.30.070.371/0400	1.30.070.871/0000	5.05.510.641/0400
no	opaque green	1.30.070.371/0500	1.30.070.871/0000	5.05.510.641/0500
no	opaque blue	1.30.070.371/0600	1.30.070.871/0000	5.05.510.641/0600

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Accessories:

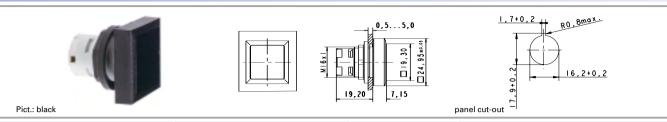
Legend insert, blank, use only for transparent lenses: 5.70.637.000/2000

The protruding collar offers protection against inadvertent operation and thereby fulfils the safety requirements of various machinery manufacturers, particularly in the printing industry.

For the "latching" function, please use the standard contact block with "latching" function.



RAFIX 16 pushbutton, flush lens, square collar, alignable without gaps



Illuminability	Colour of lens	Order no. complete	Order no. single parts		complete Order no. single	single parts
			Housing	Lens		
yes	transparent colourless	1.30.070.201/1002	1.30.070.701/0000	5.49.077.011/1002		
yes	transparent red	1.30.070.201/1306	1.30.070.701/0000	5.49.077.011/1306		
yes	transparent yellow	1.30.070.201/1403	1.30.070.701/0000	5.49.077.011/1403		
yes	transparent green	1.30.070.201/1505	1.30.070.701/0000	5.49.077.011/1505		
yes	transparent blue	1.30.070.201/1607	1.30.070.701/0000	5.49.077.011/1607		
no	opaque black	1.30.070.451/0100	1.30.070.951/0000	5.05.510.640/0100		
no	opaque white	1.30.070.451/0200	1.30.070.951/0000	5.05.510.640/0200		
no	opaque red	1.30.070.451/0300	1.30.070.951/0000	5.05.510.640/0300		
no	opaque yellow	1.30.070.451/0400	1.30.070.951/0000	5.05.510.640/0400		
no	opaque green	1.30.070.451/0500	1.30.070.951/0000	5.05.510.640/0500		
no	opaque blue	1.30.070.451/0600	1.30.070.951/0000	5.05.510.640/0600		

Technical data see page 2 - 8

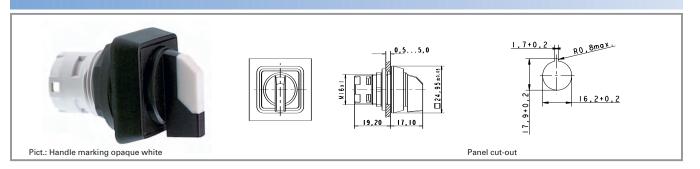
Accessories:

Legend insert, blank, use only for transparent lenses: 5.70.635.000/2000

For the "latching" function, please use the standard contact block with "latching" function.

2

RAFIX 16 selector switch



Technical data

General information		Mechanical characteristics	
Form of lens	handle	Torque max.	1.3 Nm
Marking of handle	see order block	•	
Form of collar	see order block	Other specifications	
		Operating life	30000
Dimensions		Degree of protection	
Length of collar	see order block	from front side	IP65
Diameter of collar	see order block	Ambient temp. operating	
Key grid	25 x 25 mm	min.	-25 °C
Width of collar	see order block	Ambient temp. operating	
Overall height	17.1 mm	without lamp max.	+70 °C
Mounting depth	44.7 mm	Ambient temp. operating	
Mounting hole	16.2 mm	with lamp max.	+55 °C
		Storage temperature min.	-40 °C
Mechanical design		Storage temperature max.	+85 °C
Mounting	ring nut	Resistance to constant	
Contact function	see order block	environment	according to
Contact arrangement	according to contact block		IEC 600 68-2-3 and 2-30
Illuminability	see order block	Resistance at variable	
Rotating angle	see order block	environment	according to IEC 600 68-2-14 and 2-33

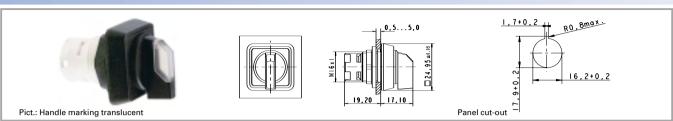
Accessories RAFIX 16 selector switch

Description	Photo	Order no.	Page
RAFIX 16 universal contact block, 1 NC + 1 NO, momentary, silver contacts, with lamp socket		1.20.123.001/0000	2 - 65
RAFIX 16 universal contact block, 1 NC + 1 NO, momentary, gold contacts, with lamp socket		1.20.123.011/0000	2 - 61
Label holder, flush, for square collar	8	5.07.620.004/0000	2 - 76
Fixing spanner for hexagon nut		5.58.002.034/0000	2 - 75

For suitable LEDs, filament lamps and other contact blocks, refer to the chapter "RAFIX 16 contact blocks"; for additional accessories, refer to the chapter "RAFIX 16 special accessories".



RAFIX 16 selector switch, square collar



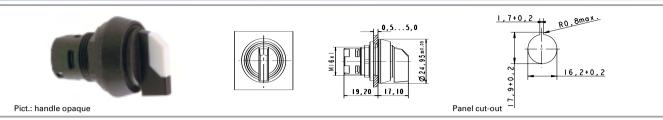
Illuminability	Contact function	Rotating angle		Marking of handle	Order no. complete
yes	momentary	1 x 40°		translucent white	1.30.073.551/2000
yes	momentary	2 x 40°	\Diamond	translucent white	1.30.073.651/2000
yes	latching	L, 1 x 90°	Ů,	translucent white	1.30.073.501/2000
yes	latching	V, 1 x 90°		translucent white	1.30.073.601/2000
yes	latching	2 x 60°	\Diamond	translucent white	1.30.073.701/2000
yes	latching 1 x 90° and momentary 1 x 40°	latching 90°/momentary 40°	2	translucent white	1.30.073.751/2000
no	momentary	1 x 40°	>	opaque white	1.30.073.550/0200
no	momentary	2 x 40°	\Rightarrow	opaque white	1.30.073.650/0200
no	latching	L, 1 x 90°	0	opaque white	1.30.073.500/0200
no	latching	V, 1 x 90°	0	opaque white	1.30.073.600/0200
no	latching	2 x 60°	\Diamond	opaque white	1.30.073.700/0200
no	latching 1 x 90° and momentary 1 x 40°	latching 90°/momentary 40°	2	opaque white	1.30.073.750/0200

Technical data see page 2 - 18

Only use contact blocks with "momentary" contact function. For versions with clockwise and counterclockwise rotation, use universal contact blocks only! Other handle marking colours available on request.



RAFIX 16 selector switch, round collar



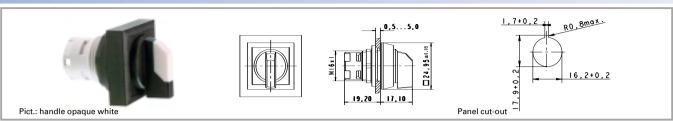
Illuminability	Contact function	Rotating angle		Marking of handle	Order no. complete
yes	momentary	1 x 40°		translucent white	1.30.073.571/2000
yes	momentary	2 x 40°	\Diamond	translucent white	1.30.073.671/2000
yes	latching	L, 1 x 90°	Ů,	translucent white	1.30.073.521/2000
yes	latching	V, 1 x 90°		translucent white	1.30.073.621/2000
yes	latching	2 x 60°	\bigcirc	translucent white	1.30.073.721/2000
yes	latching 1 x 90° and momentary 1 x 40°	latching 90°/momentary 40°	2	translucent white	1.30.073.771/2000
no	momentary	1 x 40°	>	opaque white	1.30.073.570/0200
no	momentary	2 x 40°	\Rightarrow	opaque white	1.30.073.670/0200
no	latching	L, 1 x 90°		opaque white	1.30.073.520/0200
no	latching	V, 1 x 90°		opaque white	1.30.073.620/0200
no	latching	2 x 60°	$ \bigcirc $	opaque white	1.30.073.720/0200
no	latching 1 x 90° and momentary 1 x 40°	latching 90°/momentary 40°	2	opaque white	1.30.073.770/0200

Technical data see page 2 - 18

Only use contact blocks with "momentary" contact function. For versions with clockwise and counterclockwise rotation, use universal contact blocks only! Other handle marking colours available on request.



RAFIX 16 selector switch, square collar, alignable without gaps



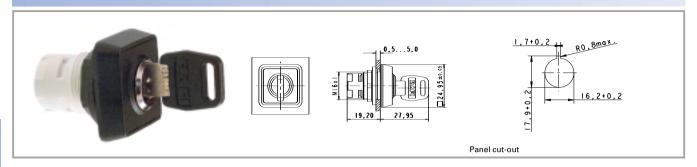
Illuminability	Contact function	Rotating angle		Marking of handle	Order no. complete
yes	momentary	1 x 40°		translucent white	1.30.073.591/2000
yes	momentary	2 x 40°	\Diamond	translucent white	1.30.073.691/2000
yes	latching	L, 1 x 90°	Ů,	translucent white	1.30.073.541/2000
yes	latching	V, 1 x 90°	0 1	translucent white	1.30.073.641/2000
yes	latching	2 x 60°		translucent white	1.30.073.741/2000
yes	latching 1 x 90° and momentary 1 x 40°	latching 90°/momentary 40°		translucent white	1.30.073.791/2000
no	momentary	1 x 40°	>	opaque white	1.30.073.590/0200
no	momentary	2 x 40°	\Diamond	opaque white	1.30.073.690/0200
no	latching	L, 1 x 90°		opaque white	1.30.073.540/0200
no	latching	V, 1 x 90°	0	opaque white	1.30.073.640/0200
no	latching	2 x 60°		opaque white	1.30.073.740/0200
no	latching 1 x 90° and momentary 1 x 40°	latching 90°/momentary 40°		opaque white	1.30.073.790/0200

Technical data see page 2 - 18

Only use contact blocks with "momentary" contact function. For versions with clockwise and counterclockwise rotation, use universal contact blocks only! Other handle marking colours available on request.



RAFIX 16 keylock switch MICROMEC



Technical data

General information Form of collar **Dimensions**

see order block see order block 25 x 25 mm see order block 27.95 mm

see order block

Width of collar Overall height Mounting depth Mounting hole

Length of collar

Key grid

Diameter of collar

44.7 mm 16.2 mm

Mechanical design

Mounting Contact function Contact arrangement Illuminability Lock Wafers Lock type

Number of locking positions Main key Symmetric key

Rotating angle Key removal position

Group key General key ring nut see order block

according to contact block

Micromec

500 yes no

001

see order block see order block

yes yes Mechanical characteristics Torque max.

Electrical characteristics

Protection class

Other specifications

ESD-strength lock / contact ESD strength key/ front panel

Operating life Degree of protection from front side

Ambient temp. operating min.

Ambient temp. operating without lamp max. Storage temperature min. Storage temperature max. Resistance to constant

environment

Resistance at variable environment

1.3 Nm

Ш

15 kV

8 kV 65000

IP65

-25 °C

+70 °C -40 °C +85 °C

according to IEC 600 68-2-3 and 2-30

according to

IEC 600 68-2-14 and 2-33

Accessories RAFIX 16 keylock switch MICROMEC

Description	Photo	Order no.	Page
RAFIX 16 universal contact block, 1 NC + 1 NO, momentary, silver contacts, without lamp socket	曲	1.20.123.021/0000	2 - 65
RAFIX 16 universal contact block, 1 NC + 1 NO, momentary, gold contacts, without lamp socket	曲	1.20.123.031/0000	2 - 61
Label holder, flush, for square collar	A	5.07.620.004/0000	2 - 76
Fixing spanner for hexagon nut	2	5.58.002.034/0000	2 - 75

RAFIX 16

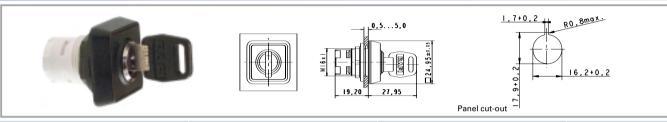


Accessories RAFIX 16 keylock switch MICROMEC

Description	Photo	Order no.	Page
Spare key, black		5.58.007.001/0000	

For other contact blocks, refer to the chapter "RAFIX 16 contact blocks"; for additional accessories, refer to the chapter "RAFIX 16 special accessories".

RAFIX 16 keylock switch MICROMEC, square collar



Contact function	Rotating angle	Key removal position		Order no. complete
momentary	1 x 40°	0	>	1.30.076.501/0000
momentary	2 x 40°	0	$\stackrel{\circ}{\bigcirc}$	1.30.076.701/0000
latching	L, 1 x 90°	0	Ů,	1.30.076.001/0000
latching	L, 1 x 90°	0+1	Ů,	1.30.076.051/0000
latching	V, 1 x 90°	0	0 1	1.30.076.101/0000
latching	V, 1 x 90°	0+1		1.30.076.151/0000
latching	2 x 90°	0	2	1.30.076.301/0000
latching	2 x 90°	0+1+2	2	1.30.076.401/0000
latching 1 x 90° and momentary 1 x 40°	latching 1 x 90°/ momentary 1 x 40°	2	2	1.30.076.901/0000

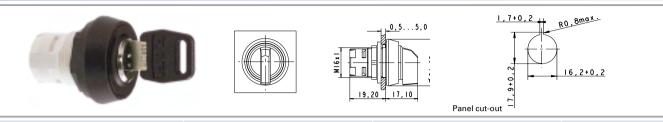
Technical data see page 2 - 22

Only use contact blocks with "momentary" contact function. For versions with clockwise and counterclockwise rotation, use universal contact block only.

Included: 2 keys.



RAFIX 16 keylock switch MICROMEC, round collar



Contact function	Rotating angle	Key removal position		Order no. complete
momentary	1 x 40°	0		1.30.076.521/0000
momentary	2 x 40°	0	ightharpoons	1.30.076.721/0000
latching	L, 1 x 90°	0		1.30.076.021/0000
latching	L, 1 x 90°	0+1		1.30.076.071/0000
latching	V, 1 x 90°	0	0	1.30.076.121/0000
latching	V, 1 x 90°	0+1	0	1.30.076.171/0000
latching	2 x 90°	0	ي الم	1.30.076.321/0000
latching	2 x 90°	0+1+2	ي الم	1.30.076.421/0000
latching 1 x 90° and momentary 1 x 40°	latching 1 x 90°/ momentary 1 x 40°	2	2	1.30.076.921/0000

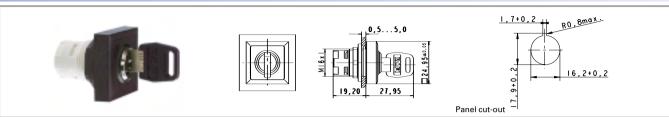
Technical data see page 2 - 22

Only use contact blocks with "momentary" contact function. For versions with clockwise and counterclockwise rotation, use universal contact block only.

Included: 2 keys.



RAFIX 16 keylock switch MICROMEC, square collar, alignable without gaps



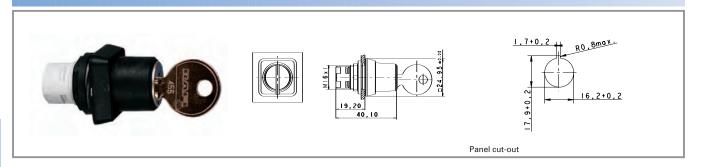
Contact function	Rotating angle	Key removal position		Order no. complete
momentary	1 x 40°	0	>	1.30.076.541/0000
momentary	2 x 40°	0	$\stackrel{}{\diamondsuit}$	1.30.076.741/0000
latching	L, 1 x 90°	0		1.30.076.041/0000
latching	L, 1 x 90°	0+1		1.30.076.091/0000
latching	V, 1 x 90°	0	0	1.30.076.141/0000
latching	V, 1 x 90°	0+1	0	1.30.076.191/0000
latching	2 x 90°	0	ي أ	1.30.076.341/0000
latching	2 x 90°	0+1+2	ء م	1.30.076.441/0000
latching 1 x 90° and momentary 1 x 40°	latching 1 x 90°/ momentary 1 x 40°	2	2	1.30.076.941/0000

Technical data see page 2 - 22

Only use contact blocks with "momentary" contact function. For versions with clockwise and counterclockwise rotation, use universal contact block only.

Included: 2 keys.

RAFIX 16 keylock switch, RONIS



Technical data

Group key

General key

General information		Mechanical characteristics	
Form of collar	see order block	Robustness min.	100 N
Dimensions		Electrical characteristics	
Length of collar	see order block	Protection class	II
Diameter of collar	see order block		
Key grid	25 x 25 mm	Other specifications	
Width of collar	see order block	ESD-strength lock /	
Overall height	20.9 mm	contact	15 kV
Mounting depth	44.7 mm	ESD strength key/ front	
Mounting hole	16.2 mm	panel	4 kV
		Operating life	65000
Mechanical design		Degree of protection	
Mounting	ring nut	from front side	IP65
Contact function	see order block	Ambient temp. operating	
Contact arrangement	according to contact block	min.	-25 °C
Illuminability	no	Ambient temp. operating	
Lock	Ronis	max.	+70 °C
Wafers	4	Storage temperature min.	-40 °C
Lock type	455	Storage temperature max.	+85 °C
Number of locking		Resistance to constant	
positions	200	environment	according to
Main key	no		IEC 600 68-2-3 and 2-30
Symmetric key	no	Resistance at variable	
Rotating angle	see order block	environment	according to
Key removal position	see order block		IEC 600 68-2-14 and 2-33

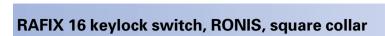
Accessories Keylock switch, RONIS

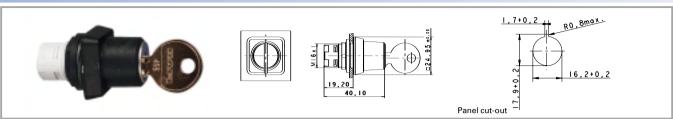
no

no

Description	Photo	Order no.	Page
RAFIX 16 universal contact block, 1 NC + 1 NO, momentary, silver contacts, without lamp socket		1.20.123.021/0000	2 - 65
RAFIX 16 universal contact block, 1 NC + 1 NO, momentary, gold contacts, without lamp socket		1.20.123.031/0000	2 - 61
Label holder, flush, for square collar	8	5.07.620.004/0000	2 - 76
Fixing spanner for hexagon nut		5.58.002.034/0000	2 - 75

For other contact blocks, refer to the chapter "RAFIX 16 contact blocks"; for additional accessories, refer to the chapter "RAFIX 16 special accessories".





Contact function	Rotating angle	Key removal position		Order no. complete
momentary	1 x 40°	0	>	1.30.176.501/0000
momentary	2 x 40°	0		1.30.176.701/0000
latching	L, 1 x 90°	0	Ů,	1.30.176.001/0000
latching	L, 1 x 90°	0+1	Ů,	1.30.176.051/0000
latching	V, 1 x 90°	0	0 1	1.30.176.101/0000
latching	V, 1 x 90°	0+1	0 1	1.30.176.151/0000
latching	2 x 90°	0	2	1.30.176.301/0000
latching	2 x 90°	0+1+2	₂	1.30.176.401/0000

Technical data see page 2 - 26

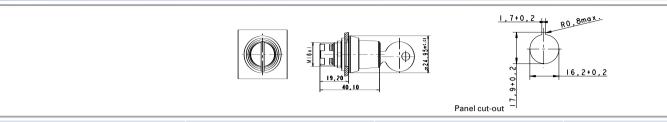
Only use contact blocks with "momentary" contact function. For versions with clockwise and counterclockwise rotation, use universal contact block only.

Included: 2 keys.

Other lock variants available on request.



RAFIX 16 keylock switch, RONIS, round collar



Contact function	Rotating angle	Key removal position		Order no. complete
momentary	1 x 40°	0	>	1.30.176.521/0000
momentary	2 x 40°	0		1.30.176.721/0000
latching	L, 1 x 90°	0		1.30.176.021/0000
latching	L, 1 x 90°	0+1		1.30.176.071/0000
latching	V, 1 x 90°	0	0 1	1.30.176.121/0000
latching	V, 1 x 90°	0+1		1.30.176.171/0000
latching	2 x 90°	0	ء م	1.30.176.321/0000
latching	2 x 90°	0+1+2	ر پاکستان پاکستان	1.30.176.421/0000

Technical data see page 2 - 26

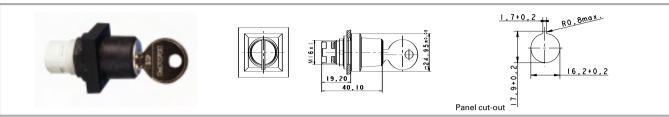
Only use contact blocks with "momentary" contact function. For versions with clockwise and counterclockwise rotation, use universal contact block only.

Included: 2 keys.









		1 diferent of		
Contact function	Rotating angle	Key removal position		Order no. complete
momentary	1 x 40°	0	>	1.30.176.541/0000
momentary	2 x 40°	0	$\stackrel{\circ}{\diamondsuit}$	1.30.176.741/0000
latching	L, 1 x 90°	0	Ů1	1.30.176.041/0000
latching	L, 1 x 90°	0+1	0	1.30.176.091/0000
latching	V, 1 x 90°	0	0 1	1.30.176.141/0000
latching	V, 1 x 90°	0+1	0 1	1.30.176.191/0000
latching	2 x 90°	0	2	1.30.176.341/0000
latching	2 x 90°	0+1+2	2	1.30.176.441/0000

Technical data see page 2 - 26

Only use contact blocks with "momentary" contact function. For versions with clockwise and counterclockwise rotation, use universal contact block only.

Included: 2 keys.

RAFIX 16 mushroom-headed pushbutton



RAFIX

16

General information

Form of lens Colour of lens

Form of collar

Dimensions

Length of collar Diameter of collar Key grid

Width of collar Overall height Mounting depth Mounting hole

Mechanical design

Mounting

Contact function Contact arrangement Illuminability

protruding lens see order block see order block

see order block see order block 25 x 25 mm see order block 12.1 mm

44.7 mm 16.2 mm

ring nut

according to contact block according to contact block

Mechanical characteristics

Operating travel Robustness min.

Other specifications

Operating life Degree of protection from front side

Ambient temp, operating min.

Ambient temp. operating without lamp max. Storage temperature min. Storage temperature max.

Resistance to constant environment

Resistance at variable environment

3 mm 100 Nm

2000000

IP65

-25 °C

+70 °C -40 °C +85 °C

according to

IEC 600 68-2-3 and 2-30

according to

IEC 600 68-2-14 and 2-33

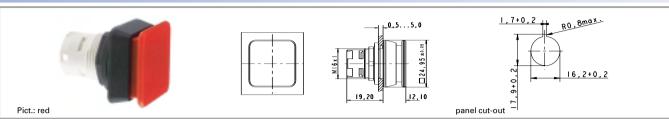
Accessories RAFIX 16 mushroom-headed pushbutton

Description	Photo	Order no.	Page
RAFIX 16 standard contact block, 1 NC + 1 NO, momentary, silver contacts, without lamp socket	曲	1.20.122.021/0000	2 - 64
RAFIX 16 standard contact block, 1 NC + 1 NO, momentary, gold contacts, without lamp socket	借	1.20.122.031/0000	2 - 60
Label holder, flush, for square collar	8	5.07.620.004/0000	2 - 76
Fixing spanner for hexagon nut		5.58.002.034/0000	2 - 75

For other contact blocks, refer to the chapter "RAFIX 16 contact blocks"; for additional accessories, refer to the chapter "RAFIX 16 special accessories".



RAFIX 16 mushroom-headed pushbutton, square collar

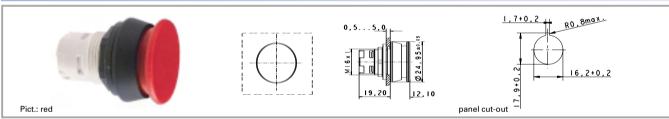


Illuminability	Colour of lens	Order no. complete
no	opaque black	1.30.071.001/0100
no	opaque red	1.30.071.001/0300

Technical data see page 2 - 30

For the "latching" function, please use the standard contact block with "latching" function.

RAFIX 16 mushroom-headed pushbutton, round collar

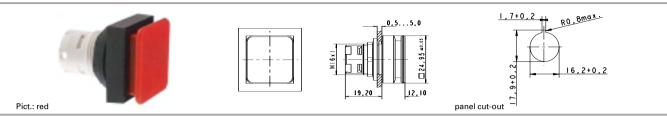


Illuminability	Colour of lens	Order no. complete
no	opaque black	1.30.071.021/0100
no	opaque red	1.30.071.021/0300

Technical data see page 2 - 30

For the "latching" function, please use the standard contact block with "latching" function.

RAFIX 16 mushroom-headed pushbutton, square collar, alignable without gaps



Illuminability	Colour of lens	Order no. complete
no	opaque black	1.30.071.041/0100
no	opaque red	1.30.071.041/0300

Technical data see page 2 - 30

For the "latching" function, please use the standard contact block with "latching" function.

RAFIX 16 emergency stop pushbutton



Technical data			
General information		Other specifications	
Form of button	see order block	Operating life	30000
Colour of button	see order block	Degree of protection	
Form of collar	see order block	from front side	IP65
		Ambient temp. operating	
Dimensions		min.	-25 °C
Length of collar	see order block	Ambient temp. operating	
Diameter of collar	see order block	without lamp max.	+70 °C
Key grid	25 x 25 mm	Ambient temp, operating	
Width of collar	see order block	with lamp max.	+55 °C
Overall height	see order block	Storage temperature min.	-40 °C
Mounting depth	44.7 mm	Storage temperature max.	+85 °C
Mounting hole	16.2 mm	Resistance to constant	
_		environment	according to
Mechanical design			IEC 600 68-2-3 and 2-30
Mounting	ring nut	Resistance at variable	
Contact function	latching	environment	according to
Contact arrangement	according to contact block		IEC 600 68-2-14 and 2-33
Illuminability	see order block	Corresponding to CE	

Ma-Dir. 89/392

Approvals

yes

IEC 60204, IEC 73

Mechanical characteristics

100 N Robustness min.

Robustness acc. IEC 60947-5-5

Accessories RAFIX 16 emergency stop pushbutton

Description	Photo	Order no.	Page
RAFIX 16 universal contact block, 1 NC, momentary, silver contacts, without lamp socket		1.20.123.022/0000	2 - 65
RAFIX 16 universal contact block, 1 NC, momentary, gold contacts, without lamp socket		1.20.123.032/0000	2 - 61
Fixing spanner for hexagon nut		5.58.002.034/0000	2 - 75
Emergency stop label, yellow, round 60 mm, PVC adhesive, without legend	16O7	5.76.204.400/0400	2 - 77

For suitable LEDs, filament lamps and other contact blocks, refer to the chapter "RAFIX 16 contact blocks"; for additional accessories, refer to the chapter "RAFIX 16 special accessories".



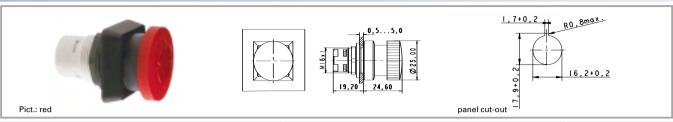


RAFIX

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RAFIX 16 emergency stop pushbutton, square collar, illuminated

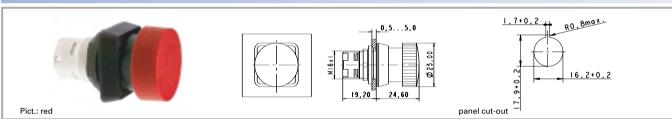


Illuminability	Colour of button	Order no. complete
yes	translucent red	1.30.074.501/0304

Technical data see page 2 - 34

Only use universal contact blocks.

RAFIX 16 emergency stop pushbutton, square collar, dupe-proof

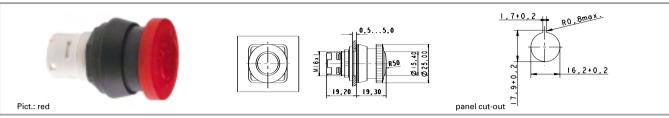


Illuminability	Colour of button	Order no. complete
no	opaque red	1.30.074.101/0301

Technical data see page 2 - 34

Only use universal contact blocks.

RAFIX 16 emergency stop pushbutton, round collar, illuminated

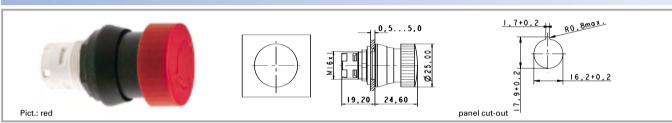


Illuminability	Colour of button	Order no. complete
yes	translucent red	1.30.074.521/0304

Technical data see page 2 - 34

Only use universal contact blocks.

RAFIX 16 emergency stop pushbutton, round collar, dupe-proof



1 ict red	paner cut-out	
Illuminability	Colour of button	Order no. complete
no	opaque red	1.30.074.121/0301

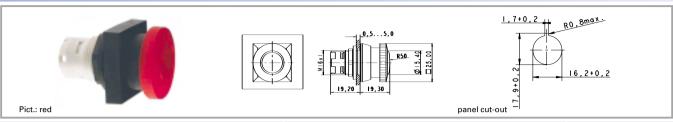
Technical data see page 2 - 34

Only use universal contact blocks.

RAFIX 16



RAFIX 16 emergency stop pushbutton, square collar, alignable without gaps, illuminated

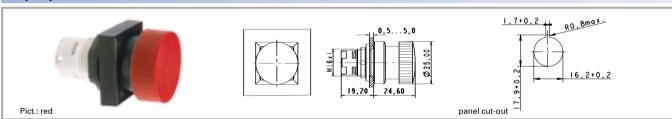


Illuminability	Colour of button	Order no. complete
yes	translucent red	1.30.074.541/0304

Technical data see page 2 - 34

Only use universal contact blocks.

RAFIX 16 emergency stop pushbutton, square collar, alignable without gaps, dupe-proof



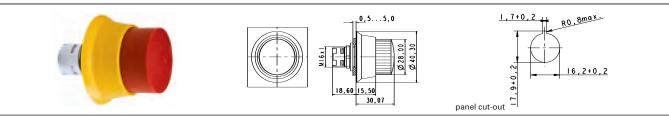
Illuminability	Colour of button	Order no. complete
no	opaque red	1.30.074.141/0301

Technical data see page 2 - 34

Only use universal contact blocks.

RAFIX 16

RAFIX 16 safety emergency stop pushbutton, round collar, dupe-proof, non-blocking



	Order no. complete
no opaque red, collar yellow	1.30.074.821/0000

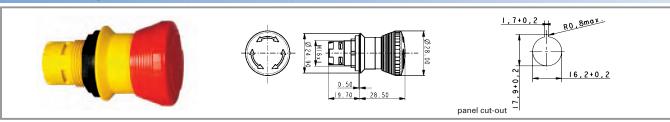
Technical data see page 2 - 34

Only use universal contact blocks.

The positively driven mechanical arrangement is dupe-proof to EN 418.

Special shape prevents blocking: Actuation cannot be interrupted by any jamming objects.

RAFIX 16 safety emergency stop pushbutton, round collar, conical, dupe-proof, non-blocking



Illuminability	Colour of button	Order no. complete
no	opaque red, collar yellow	1.30.074.281/0300

Technical data see page 2 - 34

Only use universal contact blocks.

RAFIX 16 toggle switch



Technical data

General information Form of lens Colour of toggle	toggle see order block	Mechanical characteristics Robustness min.	100 N
Form of collar	see order block	Other specifications	
Dimensions Length of collar	see order block	Degree of protection from front side Ambient temp. operating	IP65
Diameter of collar Key grid	see order block 25 x 25 mm	min. Ambient temp. operating	-25 °C
Width of collar	see order block 18.4 mm	without lamp max.	+70 °C
Overall height Mounting depth	44.7 mm	Ambient temp. operating with lamp max.	+55 °C
Mounting hole	16.2 mm	Storage temperature min. Storage temperature max.	-40 °C +85 °C
Mechanical design		Resistance to constant	
Mounting	ring nut	environment	according to
Contact function	latching	B 11	IEC 600 68-2-3 and 2-30
Contact arrangement	according to contact block	Resistance at variable	according to
Illuminability	no	environment	according to IEC 600 68-2-14 and 2-33
		Operating life (operations)	300000

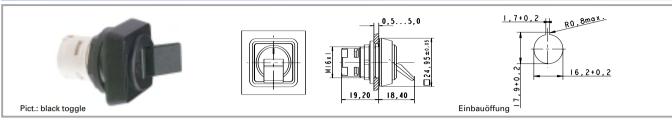
Accessories RAFIX 16 toggle switch

Description	Photo	Order no.	Page
RAFIX 16 standard contact block, 1 NC + 1 NO, momentary, silver contacts, without lamp socket	尚	1.20.122.021/0000	2 - 64
RAFIX 16 standard contact block, 1 NC + 1 NO, momentary, gold contacts, without lamp socket	曲	1.20.122.031/0000	2 - 60
Label holder, flush, for square collar	8	5.07.620.004/0000	2 - 76
Fixing spanner for hexagon nut		5.58.002.034/0000	2 - 75

For other contact blocks, refer to the chapter "RAFIX 16 contact blocks"; for additional accessories, refer to the chapter "RAFIX 16 special accessories".



RAFIX 16 toggle switch, square collar

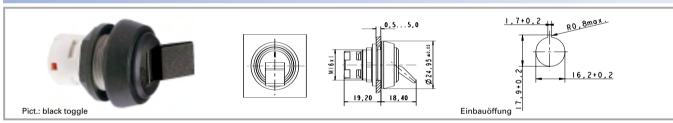


Contact function	Illuminability	Colour of toggle	Order no. complete
latching	no	opaque black	1.30.075.001/0100
latching	no	opaque red	1.30.075.001/0300

Technical data see page 2 - 40

Only use contact blocks with "momentary" contact function.

RAFIX 16 toggle switch, round collar



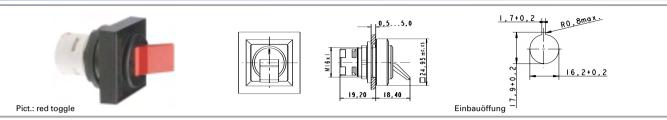
Contact function	Illuminability	Colour of toggle	Order no. complete
latching	no	opaque black	1.30.075.021/0100
latching	no	opaque red	1.30.075.021/0300

Technical data see page 2 - 40

Only use contact blocks with "momentary" contact function.



RAFIX 16 toggle switch, square collar, alignable without gaps

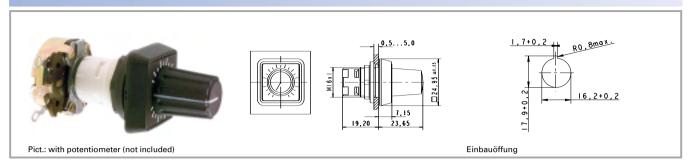


		-	
Contact function	Illuminability	Colour of toggle	Order no. complete
latching	no	opaque black	1.30.075.041/0100
latching	no	opaque red	1.30.075.041/0300

Technical data see page 2 - 40

Only use contact blocks with "momentary" contact function.

RAFIX 16 potentiometer drive



Technical data

General information Form of lens Colour of handle Form of collar

black see order block see order block

handle

Dimensions
Length of collar
Diameter of collar
Key grid
Width of collar
Overall height
Mounting depth
Mounting hole

see order block see order block 25 x 25 mm see order block 23.65 mm 19.2 mm 16.2 mm

Mechanical design

Mounting ring nut

Other specifications

Degree of protection from front side IP65
Ambient temp. operating min. -25 °C
Ambient temp. operating max. +70 °C
Storage temperature min. -40 °C

Storage temperature min. -40 °C
Storage temperature max. +85 °C
Resistance to constant
environment IEC 600

Resistance at variable environment

IEC 600 68-2-3 and 2-30

IEC 600 68-2-14 and 2-33

Accessories Potentiometer drive

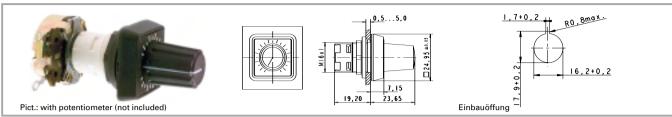
Description	Photo	Order no.	Page
Label holder, flush, for square collar	8	5.07.620.004/0000	2 - 76
Fixing spanner for hexagon nut		5.58.002.034/0000	2 - 75

For additional accessories, refer to the chapter "RAFIX 16 special accessories".

RAFIX 16



RAFIX 16 potentiometer drive, square collar

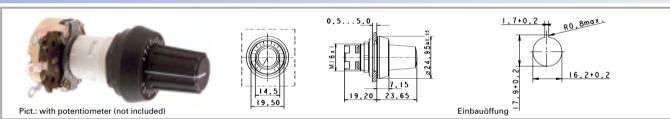


Form of lens	Form of collar	Colour of handle	Order no. complete
handle	square	black	1.30.077.001/0000

Technical data see page 2 - 44

To operate potentiometers with a shaft diameter of 6 mm. Suitable for potentiometers to DIN 41 450 with a shaft length of 32 mm. Potentiometer not included.

RAFIX 16 potentiometer drive, round collar



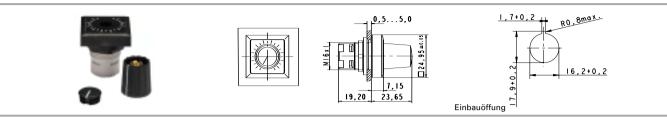
Form of lens	Form of collar	Colour of handle	Order no. complete
handle	round	black	1.30.077.021/0000

Technical data see page 2 - 44

To operate potentiometers with a shaft diameter of 6 mm. Suitable for potentiometers to DIN 41 450 with a shaft length of 32 mm. Potentiometer not included.



RAFIX 16 potentiometer drive, square collar, alignable without gaps



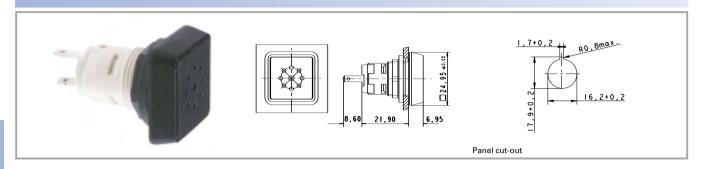
Form of lens	Form of collar	Colour of handle	Order no. complete
handle	square alignable	black	1.30.077.041/0000

Technical data see page 2 - 44

To operate potentiometers with a shaft diameter of 6 mm. Suitable for potentiometers to DIN 41 450 with a shaft length of 32 mm. Potentiometer not included.



RAFIX 16 buzzer



Technical data

General	information
Earm of	lone

Form of lens
Colour of lens
opaque black
Form of collar
Sound
flat lens
opaque black
see order block
see order block

Dimensions

Length of collar see order block
Diameter of collar see order block
Key grid 25 x 25 mm
Width of collar see order block
Overall height 6.95 mm
Mounting depth 30.5 mm
Mounting hole 16.2 mm

Mechanical design

Mounting ring nut

Acoustic characteristics

Sonic pressure, 1 m distance min.

istance min. see order block

Electrical characteristics

Operating voltage DC 24 V see order block

Mechanical characteristics

Robustness min. 100 N

Other specifications Degree of protection

from front side IP65
Ambient temp. operating min. -25 °C

Ambient temp. operating max. +70 °C

max. $+70\,^{\circ}\text{C}$ Storage temperature min. $-40\,^{\circ}\text{C}$ Storage temperature max. $+85\,^{\circ}\text{C}$ Resistance to constant

environment

Resistance at variable environment

according to

IEC 600 68-2-3 and 2-30

according to

IEC 600 68-2-14 and 2-33

Accessories RAFIX 16 buzzer

Description	Photo	Order no.	Page
Fixing spanner for hexagon nut		5.58.002.034/0000	2 - 75

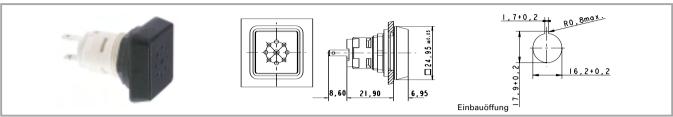
For additional accessories, refer to the chapter "RAFIX 16 special accessories".

RAFIX

16



RAFIX 16 buzzer, square collar

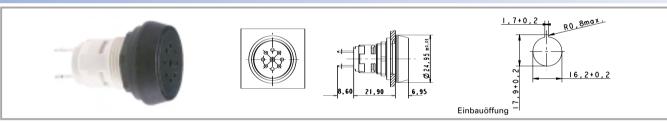


Sound	Operating voltage DC	Input current	Sonic pressure, 1 m distance min.	Order no. complete
continuos beep	24 V	25 mA	70 dB	1.30.078.001/0100

Technical data see page 2 - 48

12 V DC available on request.

RAFIX 16 buzzer, round collar

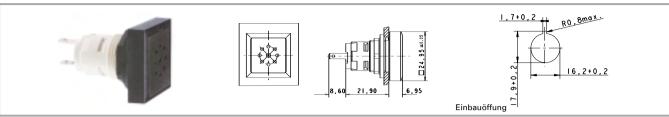


Sound	Operating voltage DC	Input current	Sonic pressure, 1 m distance min.	Order no. complete
continuos beep	24 V	25 mA	70 dB	1.30.078.021/0100

Technical data see page 2 - 48

12 V DC available on request.

RAFIX 16 buzzer, square collar, alignable without gaps

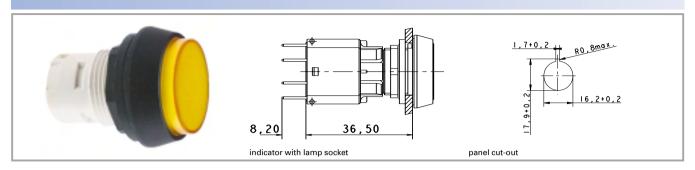


Sound	Operating voltage DC	Input current	Sonic pressure, 1 m distance min.	Order no. complete
continuos beep	24 V	25 mA	70 dB	1.30.078.041/0100

Technical data see page 2 - 48

12 V DC available on request.

RAFIX 16 signal indicator



Technical data

General	inform	ation

see order block Form of lens Colour of lens see order block Form of collar see order block

Dimensions

Length of collar see order block Diameter of collar see order block 25 x 25 mm Key grid Width of collar see order block Overall height see order block Mounting depth 30.5/44.7 mm Mounting hole 16.2 mm

Mechanical design

Mounting ring nut Illuminability yes

Mechanical characteristics

Robustness min. 100 N

Other specifications

Degree of protection IP65 from front side Ambient temp. operating min. -25 °C Ambient temp. operating without lamp max. +70 °C Ambient temp. operating with lamp max. +55 °C -40 °C Storage temperature min. +85 °C Storage temperature max. Resistance to constant environment

Resistance at variable environment

according to IEC 600 68-2-3 and 2-30

according to IEC 600 68-2-14 and 2-33

Accessories RAFIX 16 signal indicator

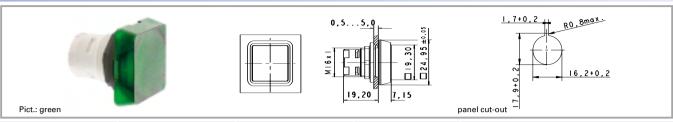
Description	Photo	Order no.	Page
RAFIX 16 lamp socket W 2 x 4.6 d		1.71.212.001/0000	2 - 67
RAFIX 16 lamp socket W 2 x 4.6 d	1	1.71.212.011/0000	2 - 68
LED W 2 x 4.6d superbright, white, 24 V		1.90.690.365/0000	5 - 16
Disassembly tool for LUMOTAST 25, RAFIX 16		5.05.800.042/0000	2 - 74 5 - 26
Label holder, flush, for square collar	A	5.07.620.004/0000	2 - 76
Fixing spanner for hexagon nut		5.58.002.034/0000	2 - 75

For suitable LEDs and filament lamps, refer to the chapter "RAFIX 16 lamp sockets"; for additional accessories, refer to the chapter "RAFIX 16 special accessories".

16



RAFIX 16 signal indicator, square lens

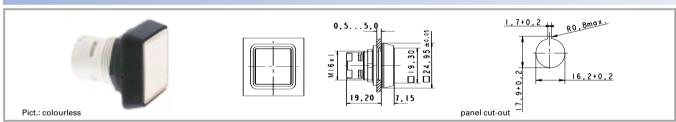


Form of lens	Form of collar	Colour of lens	Order no. complete	Order no. s	Order no. single parts	
				Housing	Lens	
lens square		transparent colourless	1.65.124.001/1002	1.65.124.101/0000	5.49.263.006/1002	
lens square		transparent red	1.65.124.001/1306	1.65.124.101/0000	5.49.263.006/1306	
lens square		transparent yellow	1.65.124.001/1403	1.65.124.101/0000	5.49.263.006/1403	
lens square		transparent green	1.65.124.001/1505	1.65.124.101/0000	5.49.263.006/1505	
lens square		transparent blue	1.65.124.001/1607	1.65.124.101/0000	5.49.263.006/1607	

Technical data see page 2 - 52

Legending can only be made externally on a label holder.

RAFIX 16 signal indicator, square collar, flush lens



Form of lens	orm of lens Form of collar Colour of		our of lens Order no. complete	Order no. single parts	
				Housing	Lens
flat lens	square	transparent colourless	1.65.124.301/1002	1.65.124.401/0000	5.49.077.011/1002
flat lens	square	transparent red	1.65.124.301/1306	1.65.124.401/0000	5.49.077.011/1306
flat lens	square	transparent yellow	1.65.124.301/1403	1.65.124.401/0000	5.49.077.011/1403
flat lens	square	transparent green	1.65.124.301/1505	1.65.124.401/0000	5.49.077.011/1505
flat lens	square	transparent blue	1.65.124.301/1607	1.65.124.401/0000	5.49.077.011/1607

Technical data see page 2 - 52

Accessories: Legend insert, blank, use only for transparent lenses: 5.70.635.000/2000



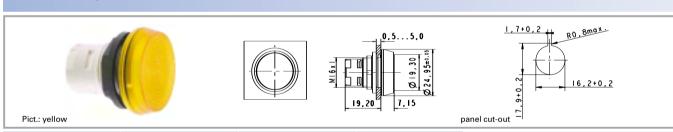
Form of lens	Form of collar	Colour of lens	Order no. complete	Order no. s	ingle parts
				Housing	Lens
protruding lens	square	transparent colourless	1.65.124.351/1002	1.65.124.451/0000	5.49.077.012/1002
protruding lens	square	transparent red	1.65.124.351/1306	1.65.124.451/0000	5.49.077.012/1306
protruding lens	square	transparent yellow	1.65.124.351/1403	1.65.124.451/0000	5.49.077.012/1403
protruding lens	square	transparent green	1.65.124.351/1505	1.65.124.451/0000	5.49.077.012/1505
protruding lens	square	transparent blue	1.65.124.351/1607	1.65.124.451/0000	5.49.077.012/1607

Technical data see page 2 - 52

Accessories:

Legend insert, blank, use only for transparent lenses: 5.70.635.000/2000

RAFIX 16 signal indicator, round lens



Form of lens	Form of collar	Colour of lens	Order no. complete	Order no. single parts	
				Housing	Lens
lens round	round	transparent colourless	1.65.124.021/1002	1.65.124.101/0000	5.49.263.007/1002
lens round	round	transparent red	1.65.124.021/1306	1.65.124.101/0000	5.49.263.007/1306
lens round	round	transparent yellow	1.65.124.021/1403	1.65.124.101/0000	5.49.263.007/1403
lens round	round	transparent green	1.65.124.021/1505	1.65.124.101/0000	5.49.263.007/1505
lens round	round	transparent blue	1.65.124.021/1607	1.65.124.101/0000	5.49.263.007/1607

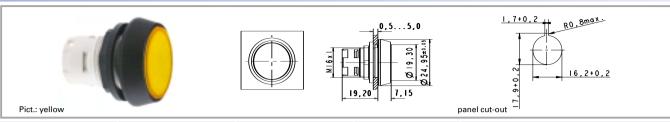
Technical data see page 2 - 52

Accessories:

Legending can only be made externally on a label holder.



RAFIX 16 signal indicator, round collar, flush lens

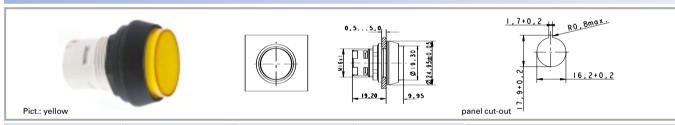


Form of lens	Form of collar	Colour of lens	Order no. complete	Order no. s	single parts
				Housing	Lens
flat lens	round	transparent colourless	1.65.124.321/1002	1.65.124.421/0000	5.49.259.017/1002
flat lens	round	transparent red	1.65.124.321/1306	1.65.124.421/0000	5.49.259.017/1306
flat lens	round	transparent yellow	1.65.124.321/1403	1.65.124.421/0000	5.49.259.017/1403
flat lens	round	transparent green	1.65.124.321/1505	1.65.124.421/0000	5.49.259.017/1505
flat lens	round	transparent blue	1.65.124.321/1607	1.65.124.421/0000	5.49.259.017/1607

Technical data see page 2 - 52

Accessories: Legend insert, blank, use only for transparent lenses: 5.70.637.000/2000

RAFIX 16 signal indicator, round collar, protruding lens



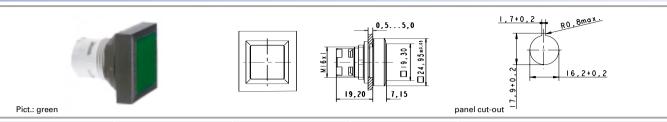
Form of lens	Form of collar	ollar Colour of lens Order no. complete Order no. si		ingle parts	
				Housing	Lens
protruding lens	round	transparent colourless	1.65.124.371/1002	1.65.124.471/0000	5.49.259.018/1002
protruding lens	round	transparent red	1.65.124.371/1306	1.65.124.471/0000	5.49.259.018/1306
protruding lens	round	transparent yellow	1.65.124.371/1403	1.65.124.471/0000	5.49.259.018/1403
protruding lens	round	transparent green	1.65.124.371/1505	1.65.124.471/0000	5.49.259.018/1505
protruding lens	round	transparent blue	1.65.124.371/1607	1.65.124.471/0000	5.49.259.018/1607

Technical data see page 2 - 52

Legend insert, blank, use only for transparent lenses: 5.70.637.000/2000



RAFIX 16 signal indicator, square collar, alignable without gaps, flush lens



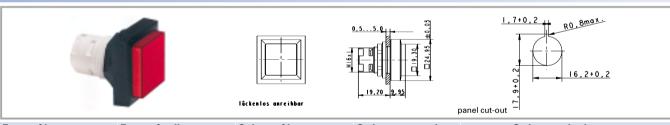
Form of lens	Form of collar	Colour of lens	Order no. complete	Order no. single parts	
				Housing	Lens
flat lens	square alignable	transparent colourless	1.65.124.551/1002	1.65.124.651/0000	5.49.077.011/1002
flat lens	square alignable	transparent red	1.65.124.551/1306	1.65.124.651/0000	5.49.077.011/1306
flat lens	square alignable	transparent yellow	1.65.124.551/1403	1.65.124.651/0000	5.49.077.011/1403
flat lens	square alignable	transparent green	1.65.124.551/1505	1.65.124.651/0000	5.49.077.011/1505
flat lens	square alignable	transparent blue	1.65.124.551/1607	1.65.124.651/0000	5.49.077.011/1607

Technical data see page 2 - 52

Accessories:

Legend insert, blank, use only for transparent lenses: 5.70.635.000/2000

RAFIX 16 signal indicator, square collar, alignable without gaps, protruding lens



Form of lens	Form of collar	of collar Colour of lens Order no. complete		ete Order no. single parts	
				Housing	Lens
protruding lens	square alignable	transparent colourless	1.65.124.501/1002	1.65.124.661/0000	5.49.077.012/1002
protruding lens	square alignable	transparent red	1.65.124.501/1306	1.65.124.661/0000	5.49.077.012/1306
protruding lens	square alignable	transparent yellow	1.65.124.501/1403	1.65.124.661/0000	5.49.077.012/1403
protruding lens	square alignable	transparent green	1.65.124.501/1505	1.65.124.661/0000	5.49.077.012/1505
protruding lens	square alignable	transparent blue	1.65.124.501/1607	1.65.124.661/0000	5.49.077.012/1607

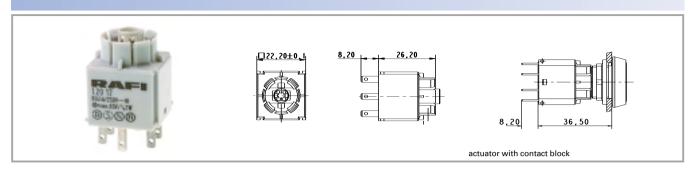
Technical data see page 2 - 52

Accessories:

Legend insert, blank, use only for transparent lenses: 5.70.635.000/2000



RAFIX 16 contact blocks with gold contacts



Technical data

Dimensions

Length 22.2 mm
Width 22.2 mm
Height 34.4 mm
Mounting depth (with

actuator / indicator) 44.7 mm

Mechanical design

Mounting snap on actuator
Contact system bridgecontact self
cleaning

Contact materials Au

Contact arrangement see order block
Contact function see order block
Lamp socket see order block

Terminals quick connector 2.8 x 0.8 Terminal marking according to DIN 50013,

X1 = +, X2 = -

Operating travel 3 mm Robustness 100 N

Mechanical characteristics

Robustness acc. IEC 60947-5-5

Electrical characteristics

Rated voltage min.

Rated voltage max.

(AC/DC) 42 V Rated current min. 0.001 A Rated current max. 0.25 A Operating life switching element (momentary) Contact resistance when new max.

Other specifications

Protection class Shock resistance acc. to IEC 60068-2-27

Ambient temp. operating

Ambient temp. operating without lamp max.
Ambient temp. operating with lamp max.

Storage temperature min.

Storage temperature max. Colour code

Resistance to constant environment

Resistance at variable environment

Mechanical operating life latching (operations)

Resistance to vibrations acc. to IEC 60068-2-6

2000000

50 m Ω

Ш

amplitude < 50g, 11ms, half sinusoidal

-25 °C

+70 °C

+55 °C -40 °C

+85 °C white bottom

IEC 600 68-2-3 and 2-30

IEC 600 68-2-14 and 2-33

see order block

10 g at 20 ... 500 Hz

Accessories RAFIX 16 contact blocks with gold contacts

0.02 V

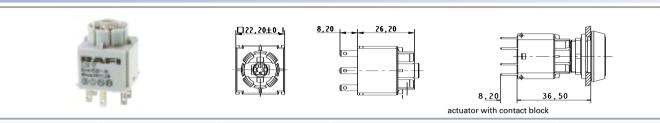
Description	Photo	Order no.	Page
Filament lamp, W 2 x 4.6d base, 24 - 30 V		1.90.120.005/0000	5 - 4
Filament lamp, W 2 x 4.6d base, 60 V		1.90.120.009/0000	5 - 4
Filament lamp, W 2 x 4.6d base, 48 V		1.90.120.010/0000	5 - 4
Filament lamp, W 2 x 4.6d base, 24 V		1.90.120.011/0000	5 - 4



Description	Photo	Order no.	Page
Filament lamp, W 2 x 4.6d base, 12 V		1.90.120.012/0000	5 - 4
Filament lamp, W 2 x 4.6d base, 6 V		1.90.120.013/0000	5 - 4
LED W 2 x 4.6d superbright, red, 24 V		1.90.690.361/0000	5 - 16
LED W 2 x 4.6d superbright, green, 24 V		1.90.690.362/0000	5 - 16
LED W 2 x 4.6d superbright, yellow, 24 V		1.90.690.363/0000	5 - 16
LED W 2 x 4.6d superbright, blue, 24 V		1.90.690.364/0000	5 - 16
LED W 2 x 4.6d superbright, white, 24 V		1.90.690.365/0000	5 - 16
Multipole connector	1	5.05.510.421/0000	2 - 71
PCB plug-in socket, 10 contacts (universal application)		5.05.510.644/0000	2 - 70
Female quick-connect terminal DIN 46340-B 2.8-1-MS	THE R. P. LEWIS CO., LANSING	5.37.540.024/8622	2 - 71
Plug distributor		5.37.540.029/6000	2 - 72
Protection against contact	100	5.55.103.105/0100	2 - 72



RAFIX 16 standard contact block, gold contacts, with lamp socket



Contact function	Contact arrangement	Lamp socket	Rated voltage max. (AC/DC)	Rated current max.	Order no. complete
momentary	1 NC + 1 NO	W 2 x 4.6d	42 V	0.25 A	1.20.122.011/0000
momentary	2 NO	W 2 x 4.6d	42 V	0.25 A	1.20.122.012/0000
momentary	2 NC	W 2 x 4.6d	42 V	0.25 A	1.20.122.013/0000
latching	1 NC + 1 NO	W 2 x 4.6d	42 V	0.25 A	1.20.122.051/0000
latching	2 NO	W 2 x 4.6d	42 V	0.25 A	1.20.122.052/0000

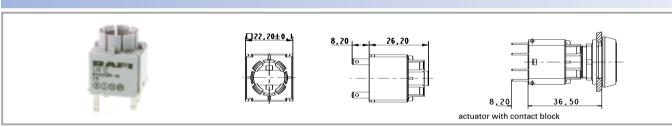
Technical data see page 2 - 58

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.

RAFIX 16 standard contact block, gold contacts, without lamp socket



Contact function	Contact arrangement	Lamp socket	Rated voltage max. (AC/DC)	Rated current max.	Order no. complete
momentary	1 NC + 1 NO		42 V	0.25 A	1.20.122.031/0000
momentary	2 NO		42 V	0.25 A	1.20.122.032/0000
momentary	2 NC		42 V	0.25 A	1.20.122.033/0000
latching	1 NC + 1 NO		42 V	0.25 A	1.20.122.071/0000
latching	2 NO		42 V	0.25 A	1.20.122.072/0000

Technical data see page 2 - 58

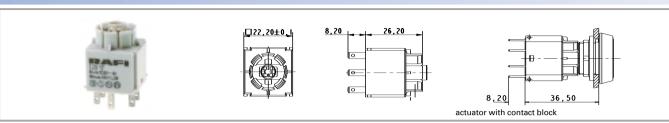
Standard contact blocks have one common contact chamber and one actuator plunger.

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.



RAFIX 16 universal contact block, gold contacts, with lamp socket

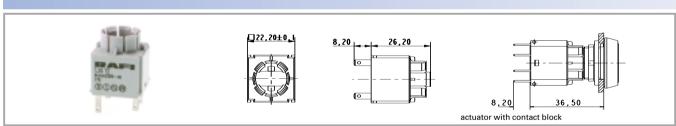


Contact function	Contact arrangement	Lamp socket	Rated voltage max. (AC/DC)	Rated current max.	Order no. complete
momentary	1 NC + 1 NO	W 2 x 4.6d	42 V	0.25 A	1.20.123.011/0000
momentary	1 NC	W 2 x 4.6d	42 V	0.25 A	1.20.123.012/0000
momentary	1 NO	W 2 x 4.6d	42 V	0.25 A	1.20.123.013/0000
momentary	2 NC	W 2 x 4.6d	42 V	0.25 A	1.20.123.014/0000
momentary	2 NO	W 2 x 4.6d	42 V	0.25 A	1.20.123.015/0000

Technical data see page 2 - 58

Universal contact blocks have two separate contact chambers and two actuator plungers for alternating actuation directions. Two different polarities can be switched. The NC contacts are positive opening contacts to IEC 60947-5-1.

RAFIX 16 universal contact block, gold contacts, without lamp socket

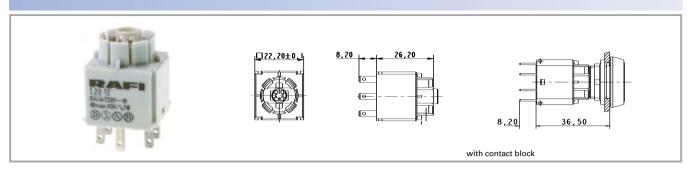


Contact function	Contact arrangement Lamp soc	Rated voltage max. (AC/DC)	Rated current max.	Order no. complete
momentary	1 NC + 1 NO	42 V	0.25 A	1.20.123.031/0000
momentary	1 NC	42 V	0.25 A	1.20.123.032/0000
momentary	1 NO	42 V	0.25 A	1.20.123.033/0000
momentary	2 NC	42 V	0.25 A	1.20.123.034/0000
momentary	2 NO	42 V	0.25 A	1.20.123.035/0000

Technical data see page 2 - 58

Universal contact blocks have two separate contact chambers and two actuator plungers for alternating actuation directions. Two different polarities can be switched. The NC contacts are positive opening contacts to IEC 60947-5-1.

RAFIX 16 contact blocks with silver contacts



Technical data

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Lenath 22.2 mm Width 22.2 mm Height 34.4 mm Mounting depth (with actuator / indicator) 44.7 mm

Mechanical design

Mounting snap on actuator Contact system bridgecontact self cleaning Contact materials Aq see order block Contact arrangement Contact function see order block see order block Lamp socket quick connector 2.8 x 0.8 **Terminals** Terminal marking according to DIN 50013, X1 = +, X2 = -Operating travel 3 mm Robustness 100 N

Mechanical characteristics

Robustness acc. 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 6 A Rated motor current I_{M nenn} 4 A Application category acc. to VDE 0660 Teil 200 Application category acc. to VDE 0660 Teil 200 Rated insulation voltage 250 V U_I, AC Rated insulation voltage U_I, DC 300 V Rated voltage U_E / Rated current I_E , AC

AC 15B 300 V

DC 13Q 300 V

250 V/1,5 A, 120 V/3,0 A V

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 Thermic rated current I_{the} , DC Operating life switching element AC Operating life switching element DC

Rated power DC Rated power AC Contact resistance when new max.

Other specifications

Protection class Approvals

Corresponding to EU directive N 72/73 Shock resistance acc. to IEC 60068-2-27

Ambient temp. operating min. Ambient temp. operating without lamp max. Ambient temp. operating with lamp max. Storage temperature min. Storage temperature max. Colour code Resistance to constant environment

Resistance at variable environment

Mechanical operating life latching (operations) Resistance to vibrations acc. to IEC 60068-2-6 Flame class acc. to UL 94 Hot wire ignition acc. to IEC 60695-2-1

5 A

2.5 A

100000 at 6A, 800000 at 2A

250000 at 220 V/0.2 A, 1000000 at 24 V/2 A $10 \times I_E$ 1.1 x I_E

 $20~\text{m}\Omega$

ENEC 25 T 70 (55), UL, **CSA**

yes

amplitude < 50g, 11ms, half sinusoidal

-25 °C

+70 °C

+55 °C -40 °C +85 °C grey bottom

according to IEC 600 68-2-3 and 2-30

according to IEC 600 68-2-14 and 2-33

100000

10 g at 20 ... 500 Hz V 0

yes

Rated voltage

UE / Rated current IE , DAC

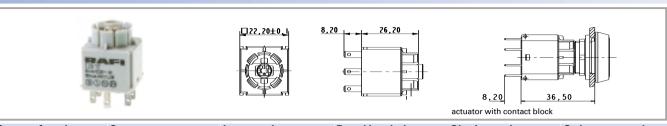


Accessories RAFIX 16 contact blocks with silver contacts

Description	Photo	Order no.	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
Filament lamp, W 2 x 4.6d base, 6 V		1.90.120.013/0000	5 - 4
LED W 2 x 4.6d superbright, red, 24 V		1.90.690.361/0000	5 - 16
LED W 2 x 4.6d superbright, green, 24 V		1.90.690.362/0000	5 - 16
LED W 2 x 4.6d superbright, yellow, 24 V		1.90.690.363/0000	5 - 16
LED W 2 x 4.6d superbright, blue, 24 V		1.90.690.364/0000	5 - 16
LED W 2 x 4.6d superbright, white, 24 V		1.90.690.365/0000	5 - 16
Multipole connector	(*)	5.05.510.421/0000	2 - 71
PCB plug-in socket, 10 contacts (universal application)		5.05.510.644/0000	2 - 70
Female quick-connect terminal DIN 46340-B 2.8-1-MS	C THE LUMB	5.37.540.024/8622	2 - 71
Plug distributor		5.37.540.029/6000	2 - 72
Protection against contact	100	5.55.103.105/0100	2 - 72



RAFIX 16 standard contact block, silver contacts, with lamp socket



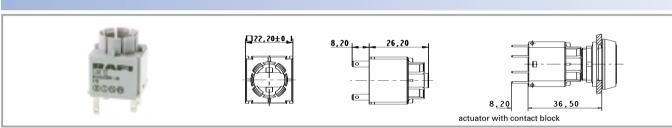
Contact function	Contact arrangement	Lamp socket	Rated insulation voltage U ₁ , AC	Ohmic rated current I _R	Order no. complete
momentary	1 NC + 1 NO	W 2 x 4.6d	250 V	6 A	1.20.122.001/0000
momentary	2 NO	W 2 x 4.6d	250 V	6 A	1.20.122.002/0000
momentary	2 NC	W 2 x 4.6d	250 V	6 A	1.20.122.003/0000
latching	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

Technical data see page 2 - 62

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.

RAFIX 16 standard contact block, silver contacts, without lamp socket



Contact function	Contact arrangement Lamp	p	Rated insulation voltage U _I , AC	Ohmic rated current I _R	Order no. complete
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

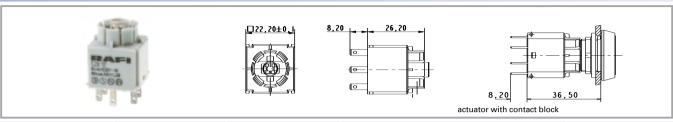
Technical data see page 2 - 62

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.



RAFIX 16 universal contact block, silver contacts, with lamp socket

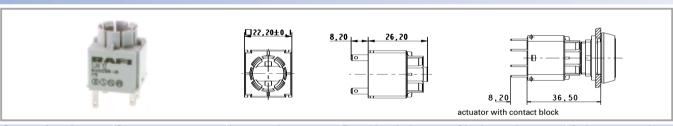


Contact function	Contact arrangement	Lamp socket	Rated insulation voltage U ₁ , AC	Ohmic rated current I _R	Order no. complete
momentary	1 NC + 1 NO	W 2 x 4.6d	250 V	6 A	1.20.123.001/0000
momentary	1 NC	W 2 x 4.6d	250 V	6 A	1.20.123.002/0000
momentary	1 NO	W 2 x 4.6d	250 V	6 A	1.20.123.003/0000
momentary	2 NC	W 2 x 4.6d	250 V	6 A	1.20.123.004/0000
momentary	2 NO	W 2 x 4.6d	250 V	6 A	1.20.123.005/0000

Technical data see page 2 - 62

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.

RAFIX 16 universal contact block, silver contacts, without lamp socket



Contact function	Contact arrangement Lamp socket	Rated insulation voltage U ₁ , AC	Ohmic rated current I _R	Order no. complete
momentary	1 NC + 1 NO	250 V	6 A	1.20.123.021/0000
momentary	1 NC	250 V	6 A	1.20.123.022/0000
momentary	1 NO	250 V	6 A	1.20.123.023/0000
momentary	2 NC	250 V	6 A	1.20.123.024/0000
momentary	2 NO	250 V	6 A	1.20.123.025/0000

Technical data see page 2 - 62

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.



RAFIX 16 lamp socket



Technical data

Dimensions

RAFIX

16

Lenath Width Height Mounting depth

Mechanical design

Mounting Lamp socket Terminals Terminal marking Robustness

Electrical characteristics

Rated voltage max. Rated power max.

Other specifications

Approvals

see order block see order block see order block see order block

see order block wedge-base W 2 x 4.6d quick connector 2.8 x 0.8 $\dot{X}1$ = anode, X2 = cathode 100 N

60 V 1.2 W

ENEC 25 T 70 (55), UL,

CSA

Shock resistance acc. to IEC 60068-2-27

Ambient temp. operating min.

Ambient temp. operating with lamp max. Storage temperature min. Storage temperature max. Resistance to constant environment

Resistance at variable environment

Flame class acc. to UL 94 Hot wire ignition acc. to IEC 60695-2-1 Resistance to vibrations acc. to IEC 60068-2-6

amplitude < 50g, D 11ms, half sinusoidal

-25 °C

+55 °C -40 °C

+85 °C

according to IEC 600 68-2-3 and 2-30

according to IEC 600 68-2-14 and 2-33

yes

10 g at 20 ... 500 Hz

Accessories RAFIX 16 lamp socket

Description	Photo	Order no.	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
Filament lamp, W 2 x 4.6d base, 6 V		1.90.120.013/0000	5 - 4
LED W 2 x 4.6d superbright, red, 24 V		1.90.690.361/0000	5 - 16

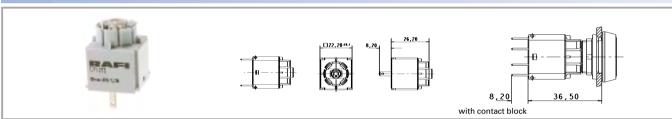
RAFIX 16



Accessories RAFIX 16 lamp socket

Description	Photo	Order no.	Page
LED W 2 x 4.6d superbright, green, 24 V		1.90.690.362/0000	5 - 16
LED W 2 x 4.6d superbright, yellow, 24 V		1.90.690.363/0000	5 - 16
LED W 2 x 4.6d superbright, blue, 24 V		1.90.690.364/0000	5 - 16
LED W 2 x 4.6d superbright, white, 24 V	- Con	1.90.690.365/0000	5 - 16
PCB plug-in socket, 2 contacts (lamp socket)		5.05.510.649/0000	2 - 70
Protection against contact	The same of the sa	5.55.103.105/0100	2 - 72

RAFIX 16 lamp socket W 2 x 4.6 d

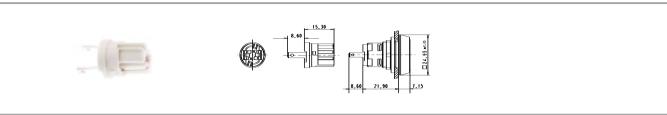


Rated voltage max.	Rated power max.	Lamp socket	Mounting	Mounting depth	Order no. complete
60 V	1.2 W	wedge-base W 2 x 4 6d	click on signal	44.7 mm	1.71.212.001/0000

Technical data see page 2 - 66

A notch on the lamp socket identifies the cathode side.

RAFIX 16 lamp socket W 2 x 4.6 d

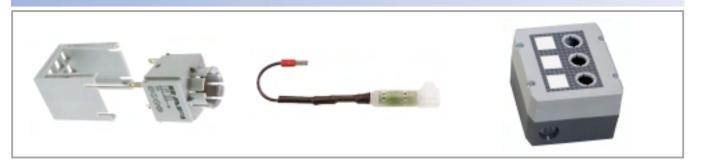


Rated voltage max.	Rated power max.	Lamp socket	Mounting	Mounting depth	Order no. complete
60 V	1.2 W	wedge-base W 2 x 4.6d	snap into signal indicator	30.5 mm	1.71.212.011/0000

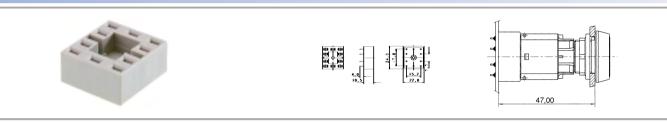
Technical data see page 2 - 66

A notch on the lamp socket identifies the cathode side.

RAFIX 16 special accessories



PCB plug-in socket

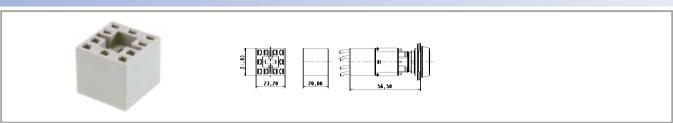


Short text	Feature 1	Feature 2	Order no.
PCB plug-in socket, 10 contacts (universal application)	22 mm	24 mm	5.05.510.644/0000
PCB plug-in socket, 6 contacts (2 NO, lamp socket)	22 mm	24 mm	5.05.510.645/0000
PCB plug-in socket, 6 contacts (1 NC, 1 NO, lamp socket)	22 mm	24 mm	5.05.510.646/0000
PCB plug-in socket, 6 contacts (2 NC, lamp socket)	22 mm	24 mm	5.05.510.647/0000
PCB plug-in socket, 4 contacts (2 NC)	22 mm	24 mm	5.05.510.648/0000
PCB plug-in socket, 2 contacts (lamp socket)	22 mm	24 mm	5.05.510.649/0000

For soldering onto PCBs. The PCB carrying the plug-in sockets is plugged onto the contact blocks/lamp sockets. Additional fixing of the PCB to the contact block is not required. Solder terminals for PCB 3.5 mm long, for 1.3 mm hole.



Multipole connector



Short text	Feature 1	Feature 2	Order no.
Multipole connector	21.8 mm	23.2 mm	5.05.510.421/0000

Makes it possible to simultaneously connect all terminals of a contact block. Can be fitted with 2.8 mm female quick-connect terminals.

Female quick-connect terminal DIN 46340-B 2.8-1-MS



Short text	Feature 1	Feature 2	Order no.
Female quick-connect terminal DIN 46340-B 2.8-1-MS			5.37.540.024/8622

With latching detent for mating with a multipole connector.



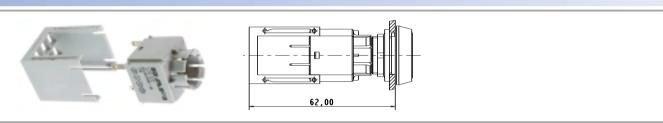




Short text	Feature 1	Feature 2	Order no.
Plug distributor			5.37.540.029/6000

For mounting on the quick-connect terminals of contact blocks. The double number of contacts facilitates loop-through.

Protection against contact



Short text	Feature 1	Feature 2	Order no.
Protection against contact			5.55.103.105/0100

Assembly sequence: Snap the protection against contact onto the contact block, connect wires to quick-connect terminals of contact block, pull protection against contact over the terminals; this ensures finger-proof condition to VBG 4.





RAFIX

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Protection against contact



Short text	Feature 1	Feature 2	Order no.
Protection against contact (VBG 4 with lamp socket 1.71.212.011)			5.55.103.134/0700

You can use the protection against contact to cover the terminals of the lamp socket 1.71.212.011/0000 so that they are finger-proof to VBG 4.

Series capacitor

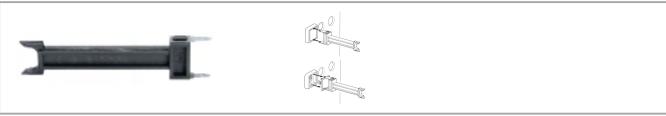


Short text	Feature 1	Feature 2	Order no.
Series capacitor, 125 V/48 V~, 50 Hz, 25 mA			5.03.771.333/0000
Series capacitor, 230 V/48 V~, 50 Hz, 25 mA			5.03.771.334/0000

Fully encapsulated, with a 2.8 x 0.8 mm quick-connect tab in a touch-proof arrangement.



Disassembly tool



Short text	Feature 1	Feature 2	Order no.
Disassembly tool for LUMOTAST 25, RAFIX 16			5.05.800.042/0000

For replacing pushbutton and signal indicator lenses.

Protective cover, suitable for lead seal, for pushbuttons, alignable without gaps



Short text	Feature 1	Feature 2	Order no.
Protective cover, suitable for lead seal			5.05.800.055/0000

To prevent inadvertent operation. The legend is easily visible even when the cap is closed.

2

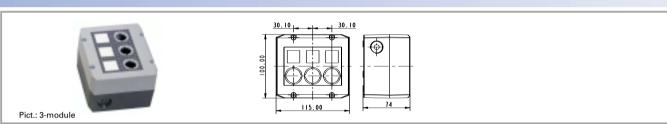


Fixing spanner for hexagon nut



Short text	Feature 1	Feature 2	Order no.
Fixing spanner for hexagon nut			5.58.002.034/0000

RAFIX 16 insulating housing

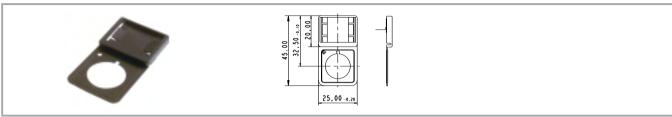


Short text	Feature 1	Feature 2	Order no.
RAFIX 16 insulating housing, 1-module, light grey/dark grey	55 mm	100 mm	1.20.810.001/0000
RAFIX 16 insulating housing, 1-module, yellow/yellow	55 mm	100 mm	1.20.810.002/0000
RAFIX 16 insulating housing, 2-module, light grey/dark grey	115 mm	100 mm	1.20.820.001/0000
RAFIX 16 insulating housing, 3-module, light grey/dark grey	115 mm	100 mm	1.20.830.001/0000
RAFIX 16 insulating housing, 4-module, light grey/dark grey	145 mm	100 mm	1.20.840.001/0000
Label sheet for housings			5.40.451.283/0000

- Attractive plastic housing to accommodate up to 4 control components

- 2 cable entries prepared: 1-,2-,3-part: M20x1,5, 4-part: M25x1,5
 Degree of protection IP 65 to DIN
 All grey housings with overlay, legending possible with legend inserts
- Wall mounting with 2 screws through housing bottom prepared
- Dimensions x (feature 1) x 100 mm x 74 mm
- Accessories: 50 pre-perforated legend inserts on a DIN A4 sheet for printing with a PC printer

RAFIX 16 label holder, flush, for square collar

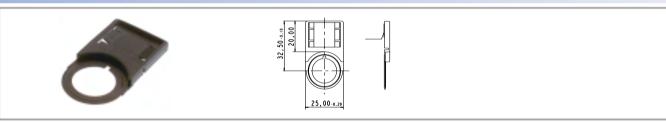


Short text	Feature 1	Feature 2	Order no.
Label holder, flush, for square collar			5.07.620.004/0000

Legend label 23 x 16 for label holder, without legend: 5.73.111.000/0000

Legending available on request.

RAFIX 16 label holder, flush, for round collar



Short text	Feature 1	Feature 2	Order no.
Label holder, flush, for round collar			5.07.620.006/0000

Accessories:

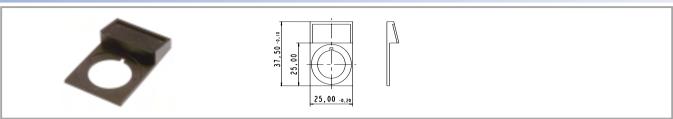
Legend label 23 x 16 for label holder, without legend: 5.73.111.000/0000

Legending available on request.

RAFIX 16



RAFIX 16 label holder, protruding, for square flush fitting collar



Short text	Feature 1	Feature 2	Order no.
Label holder, protruding, for square flush fitting collar			5.07.620.007/0000

Accessories:

Legend label 23 x 16, without legend: 5.73.112.000/0000

Legending available on request.

Emergency stop label, yellow, round 60 mm, PVC adhesive



Short text	Feature 1	Feature 2	Order no.
Emergency stop label, yellow, round 60 mm, PVC adhesive, without legend	60 mm		5.76.204.400/0400
Emergency stop label, yellow, round 60 mm, PVC adhesive, with legend "NOT-AUS"	60 mm		5.76.204.401/0400
Emergency stop label, yellow, round 60 mm, PVC adhesive, with legend "EMERGENCY STOP"	60 mm		5.76.204.403/0400

AMEYA360 Components Supply Platform

Authorized Distribution Brand:

























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