

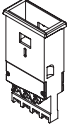



Keylock switch 2 positions, IP 40

Equipment consisting of (schematic overview)

**Front bezel**
page 13

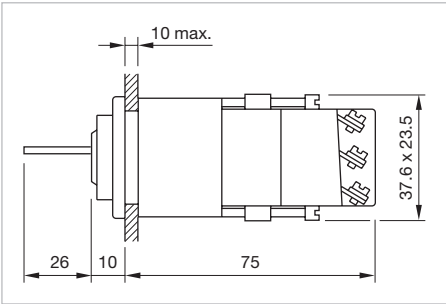
**Keylock front bezel**
page 12

**Actuator**

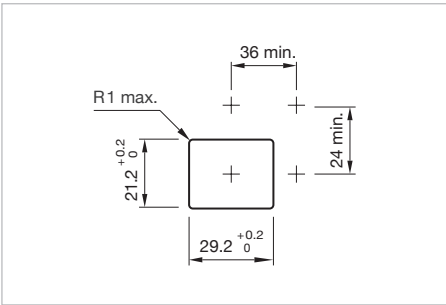
**Fixing bezel**

Each article number listed below includes all the black components shown in the 3D-drawing.

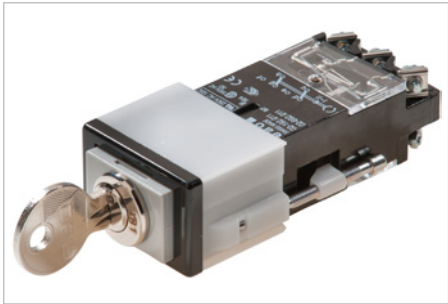
To obtain a complete unit, please select the red components from the pages shown.



Dimensions [mm]



Mounting cut-outs [mm]




Product can differ from the current configuration.

Additional Information

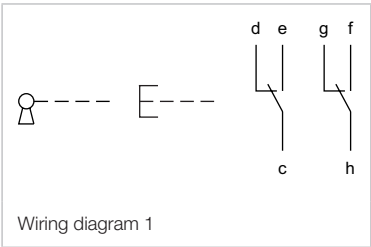
- For front dimension 24 x 36 mm
- Front plastic grey
- Keylock number YB1
- After turning the key 90° clockwise, the switch can be operated
- In the unlocked switch positions always perform a momentary action
- Two keys are supplied with each key lock switch



Switching positions (A = Rest, B = Momentary)

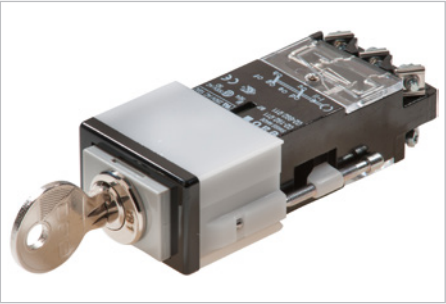
Product attribute	Contacts	Switching angle	Key remove	Terminal	Part No.	Wiring diagram	Gewicht
 Schlüsselschalter-Vorsatz 2 Stellungen							
A = lockable, actuated	2 C	B = 90°	A	Screw	02-690.011	1	0.055 kg
A = lockable, non-actuated or actuated	2 C	B = 90°	A	Screw	02-692.011	1	0.055 kg
A = lockable, non-actuated	2 C	B = 90°	A	Screw	02-691.011	1	0.055 kg

Contacts: C = Changeover

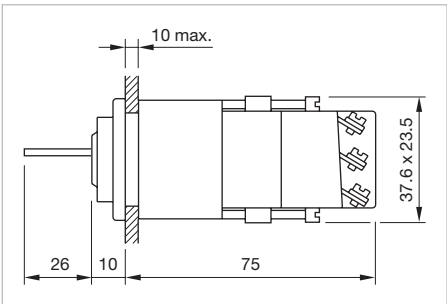


02 Flush design

Keylock switch 2 positions, IP 40



Product can differ from the current configuration.



Dimensions [mm]

Equipment consisting of (schematic overview)

Front bezel

page 13

Keylock front bezel

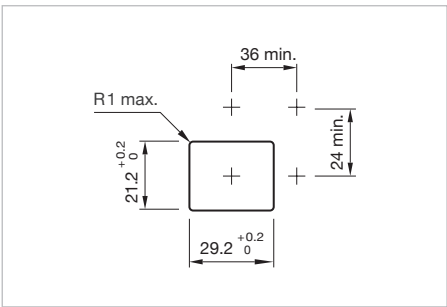
Actuator

Fixing bezel

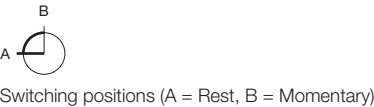
Each article number listed below includes all the black components shown in the 3D-drawing.

To obtain a complete unit, please select the red components from the pages shown.

- Additional Information
- For front dimension 24 x 36 mm
 - Front plastic grey
 - Keylock number YB1
 - After turning the key 90° clockwise, the switch can be operated
 - In the unlocked switch positions always perform a momentary action
 - Two keys are supplied with each key lock switch

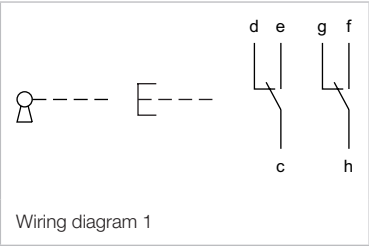


Mounting cut-outs [mm]




Product attribute	Contacts	Switching angle	Key remove	Terminal	Part No.	Wiring diagram	Gewicht
<div></div> <div>Schlüsselschalter-Vorsatz 2 Stellungen</div>							
A = lockable, non-actuated, B = lockable, key not removable	2 C	B = 90°	A	Screw	02-695.011	1	0.055 kg
A = lockable, non-actuated or actuated; can be used with protective cover Part No. 22-925	2 C	B = 90°	A	Screw	02-198.011	1	0.055 kg

Contacts: C = Changeover



Front**Lens****Additional Information**

- Material plastic

Product attribute	Dimension	Lens	Part No.	Weight
 Lens				
illuminative, not suitable for film insert, ripped	17.5 x 25.4 mm	smoked translucent	02-901.1	0.004 kg
		red translucent	02-901.2	0.004 kg
		orange translucent	02-901.3	0.004 kg
		yellow translucent	02-901.4	0.004 kg
		green translucent	02-901.5	0.004 kg
		blue translucent	02-901.6	0.004 kg
		colourless transparent	02-901.7	0.004 kg
		white translucent	02-901.9	0.004 kg
illuminative, use holder for film insert	17.5 x 25.4 mm	red translucent	02-902.2	0.004 kg
		green translucent	02-902.5	0.004 kg
		colourless transparent	02-902.7	0.004 kg
non-illuminative	17.5 x 25.4 mm	black opaque	02-901.0	0.004 kg
		grey opaque	02-901.8	0.004 kg

Keylock front bezel**Additional Information**

- Keylock number YB1
- Further lock numbers see «Technical data»


Product attribute	Dimension	Material	Colour	Part No.	Weight
 Keylock front bezel					
	17.5 x 25.5 mm	Plastic	grey	02-980.1	0.002 kg
for keylock switch Part No. 02-695	17.5 x 25.5 mm	Plastic	grey	02-982.1	0.002 kg

02 Accessories

Holder

Additional Information


- For lens with film insert

Material	Colour	Optics	Part No.	Weight
 Holder				
Plastic	red	translucent	02-908.2	0.001 kg
	orange	translucent	02-908.3	0.001 kg
	yellow	translucent	02-908.4	0.001 kg
	green	translucent	02-908.5	0.001 kg
	blue	translucent	02-908.6	0.001 kg
	colourless	transparent	02-908.7	0.001 kg
	white	translucent	02-908.9	0.001 kg

Diffusor plate

Additional Information


- For lens with film insert

Part No.	Weight
 Diffusor plate	
02-909	0.001 kg

Front bezel flush


Additional Information

- Lens only removable with lens remover
Part No. 02-905

Front bezel	Part No.	Weight
 Front bezel flush, Front dimension 24 x 36 mm		
Pastic black	02-965.0	0.001 kg

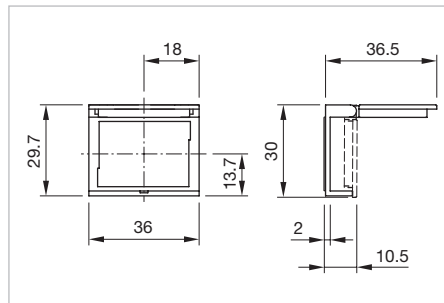
Front bezel raised**Additional Information**

- Lens only removable with lens remover
Part No. 98-969


Front bezel	Part No.	Weight
 Front bezel raised, Front dimension 24 x 36 mm		
Pastic black	02-967.0	0.001 kg

Protective cover, IP 65**Additional Information**

- Please note that bigger minimum distances are necessary
- Use only flush front bezel
- Hinged, with means for sealing
- Front panel thickness reduces by 2 mm



Dimensions [mm]


Product attribute	Material	Optics	Dimension	Part No.	Weight
 Protective cover					
for button with mounting cut-out 21.2 x 29.2 mm	Plastic	transparent	36 x 29.7 mm	22-925	0.004 kg

02 Accessories

Spare key

Additional Information

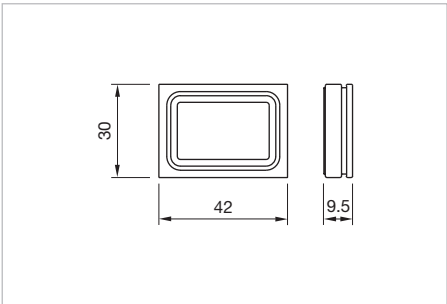
- Keylock number YB1

Part No.	Weight
<div></div> <div>Spare key</div>	
02-989.001	0.001 kg

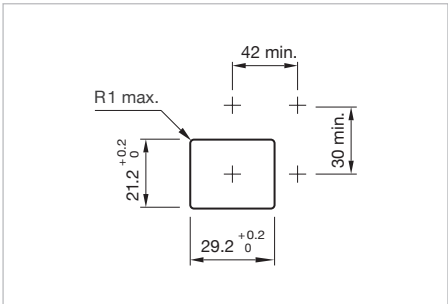
Front protective cap, IP 65

Additional Information


- Use only flush front bezel
- Three-part



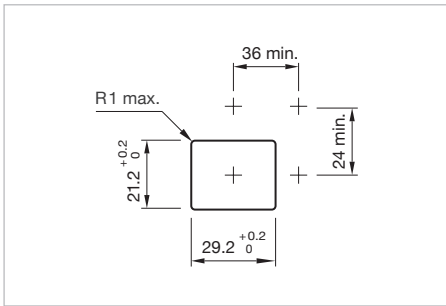
Dimensions [mm]




Mounting cut-outs [mm]

Material	Colour	Optics	Temperature	Part No.	Weight
<div></div> <div>Front protective cap</div>					
PVC	colourless	transparent	-20 ... +60 °	02-924	0.005 kg
			-25 ... +85 °	02-935	0.005 kg

Blind plug



Mounting cut-outs [mm]


Dimension	Material	Colour	Part No.	Weight
 Blind plug	Plastic	black	02-949.0	0.004 kg
		grey	02-949.8	0.004 kg

Backside

Terminal cover

Additional Information

- For all connection methods
- Not suitable for indicators with built-in series resistor with lamp

Part No.	Weight
<div><div>Terminal cover</div></div>	
02-929	0.005 kg

Actuator with snap-action switching element

Switching system

1 or 2 self-cleaning, snap-action switching elements.
1 or 2 double-throw contacts.

Material

Material of contact

Standard version:
Silver ($U > 20\text{V}$)
Special versions: (on request)
Gold/Silver 700Au/300Ag ($U < 50\text{V}$)
Silver/Palladium 700Ag/300Pd ($U > 20\text{V}$) for atmospheres containing sulphur

Switch housing

Thermosetting material, heat-resistant

Indicator housing with reduced length

Polyamide

Mechanical characteristics

Terminals

Screw terminal (with self-lifting clip):
max. wire cross-section, $2 \times 2.5\text{mm}^2$
max. wire cross-section of stranded cable, $2 \times 1.5\text{mm}^2$

Tightening torque

For fixing sleeve max. 20Ncm
For screw terminal max. 80Ncm

Actuating force

6N...12N

Actuating travel

5mm

Mechanical lifetime

Momentary action 2 million operations
Maintained action 1 million operations

Electrical characteristics

Standards

The switches comply with the "Standards for low-voltage switching devices" IEC 60947-5-1

Rated insulation voltage

400VAC/440VDC, as per IEC 60947-5-1

Conventional free air thermal current

10A

The maximum current in continuous operation and at ambient temperature not exceeding the quoted maximum values.

Switch rating

400VAC, 10A, $\cos\phi$ 0.95, as per IEC 60947-5-1
250VAC, 10A, as per UL

Electric strength

2500VAC, 50Hz, 1 min. between all terminals and earth, as per IEC 60947-5-1

Environmental conditions

Storage temperature

$-30^\circ\text{C} \dots +85^\circ\text{C}$

Service temperature

$-25^\circ\text{C} \dots +55^\circ\text{C}$

For indicators and illuminated pushbuttons mounted as a block, make sure the heat can escape freely.

Protection degree

Front side IP 40, IP 65 with spray cover, as per IEC 60529

Shock resistance

15g for 11 ms, as per IEC 60068-2-27

Vibration resistance

10g at 10...2000Hz, amplitude 1.0mm, as per IEC 60068-2-6

Approvals

Approbations

CB (IEC 60947-5-1)
CSA
Germanischer Lloyd
UL

Declaration of conformity

CE