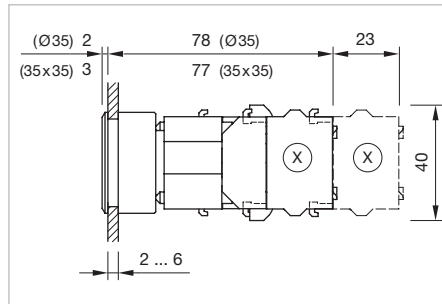
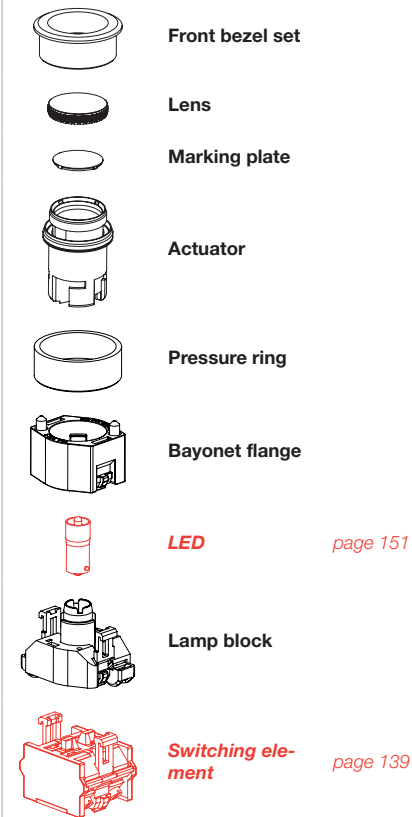


Illuminated pushbutton, IP 65

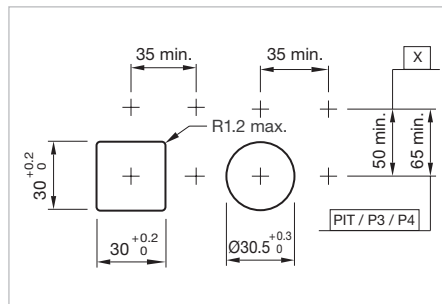
Equipment consisting of (schematic overview)



Dimensions [mm]
X = Screw terminal



Product can differ from the current configuration.



Mounting cut-outs [mm]
PIT = Push-in terminal,
P3 = Plug-in terminal 6.3 x 0.8 mm,
P4 = Double plug-in terminal 6.3 x 0.8 mm,
X = Screw terminal

Additional Information

- The lamp block will be delivered with screw terminal
- Other terminal options from the part switching element see «Accessories»
- The colour of anodized aluminium parts can vary due to technical production reasons
- Max. 3 switching elements can be clipped on

Each Part Number listed below includes all the black components shown in the 3D-drawing.

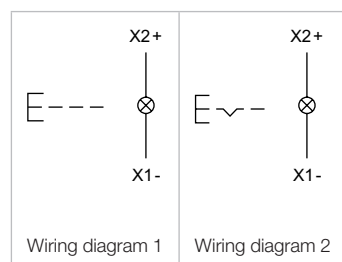
To obtain a complete unit, please select the red components from the pages shown.

Housing	Front ring	Front bezel	Lens	Switching action	Part No.	Wiring diagram	Weight
 Illuminated pushbutton actuator, Front dimension 35 x 35 mm							
Plastic black		Plastic black	Plastic red	B	704.229.200	1	0.051 kg
			Plastic yellow	B	704.229.400	1	0.051 kg
			Plastic green	B	704.229.500	1	0.051 kg
			Plastic blue	B	704.229.600	1	0.051 kg
			Plastic colourless	B	704.229.700	1	0.051 kg
		Plastic silver	Plastic red	B	704.230.208	1	0.051 kg
			Plastic yellow	B	704.230.408	1	0.051 kg
			Plastic green	B	704.230.508	1	0.051 kg
			Plastic blue	B	704.230.608	1	0.051 kg
			Plastic colourless	B	704.230.708	1	0.051 kg
		Plastic black	Plastic red	C	704.259.200	2	0.051 kg
			Plastic yellow	C	704.259.400	2	0.051 kg
			Plastic green	C	704.259.500	2	0.051 kg
			Plastic blue	C	704.259.600	2	0.051 kg
			Plastic colourless	C	704.259.700	2	0.051 kg

04 Flush design

Housing	Front ring	Front bezel	Lens	Switching action	Part No.	Wiring diagram	Weight
Plastic black		Plastic silver	Plastic red	C	704.260.208	2	0.051 kg
			Plastic yellow	C	704.260.408	2	0.051 kg
			Plastic green	C	704.260.508	2	0.051 kg
			Plastic blue	C	704.260.608	2	0.051 kg
			Plastic colourless	C	704.260.708	2	0.051 kg
 Illuminated pushbutton actuator, Front dimension Ø 35 mm							
Plastic grey	Aluminium natural anodized		Plastic red	B	704.032.218	1	0.067 kg
			Plastic yellow	B	704.032.418	1	0.067 kg
			Plastic green	B	704.032.518	1	0.067 kg
			Plastic blue	B	704.032.618	1	0.067 kg
			Plastic colourless	B	704.032.718	1	0.067 kg
			Plastic red	C	704.062.218	2	0.067 kg
			Plastic yellow	C	704.062.418	2	0.067 kg
			Plastic green	C	704.062.518	2	0.067 kg
			Plastic blue	C	704.062.618	2	0.067 kg
			Plastic colourless	C	704.062.718	2	0.067 kg

Switching action : B = Momentary, C = Maintain

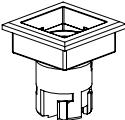


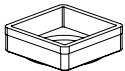
Illuminated pushbutton square, IP 65

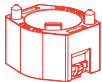
Equipment consisting of (schematic overview)

**Lens**
page 123

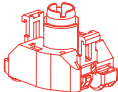
**Lens holder**
page 125

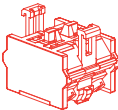
**Actuator**

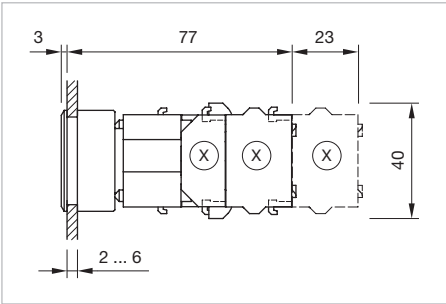
**Press frame**

**Bayonet flange**
page 136

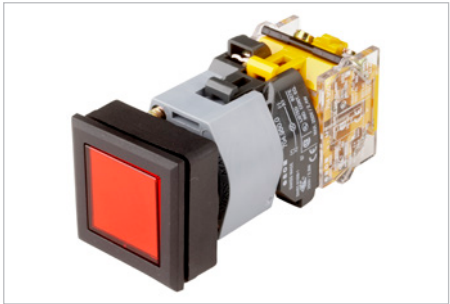
**LED**
page 151

**Lamp block**
page 137

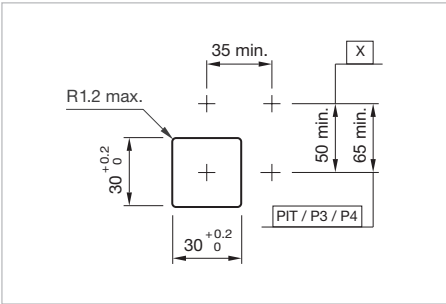
**Switching element**
page 139



Dimensions [mm]
X = Screw terminal



Product can differ from the current configuration.



Mounting cut-outs [mm]
PIT = Push-in terminal,
P3 = Plug-in terminal 6.3 x 0.8 mm,
P4 = Double plug-in terminal 6.3 x 0.8 mm,
X = Screw terminal

Additional Information

- Housing plastic black
- Other terminal options from the parts switching element and lamp block see «Accessories»
- Max. 3 switching elements can be clipped on

Each Part 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.

Front bezel	Switching action	Part No.	Wiring diagram	Weight
 Illuminated pushbutton actuator square, Front dimension 35 x 35 mm				
Plastic black	B	704.741.0	1	0.020 kg
Plastic silver	B	704.741.8	1	0.020 kg
Plastic black	C	704.742.0	2	0.020 kg
Plastic silver	C	704.742.8	2	0.020 kg

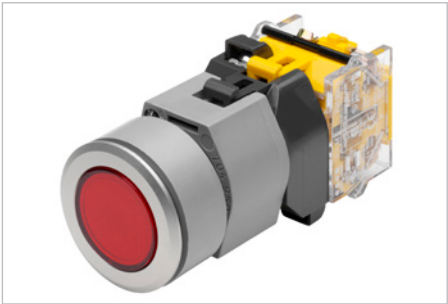
Switching action : B = Momentary, C = Maintain


Wiring diagram 1

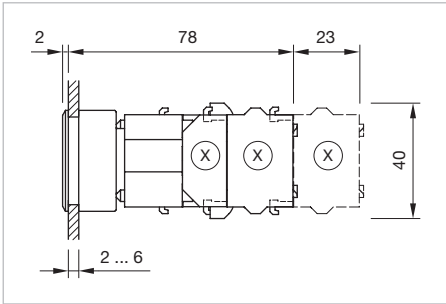

Wiring diagram 2

04 Flush design

Illuminated pushbutton round, IP 65



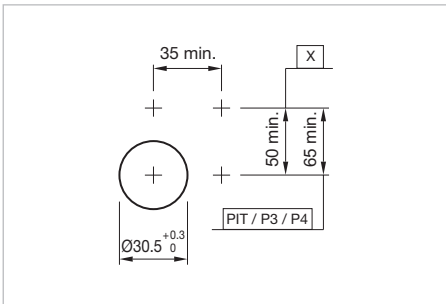
Product can differ from the current configuration.



Dimensions [mm]
X = Screw terminal

Additional Information

- For front dimension Ø 35 mm
- Housing plastic grey
- Choose lens plastic or lens metal with spot round
- Other terminal options from the parts switching element and lamp block see «Accessories»
- Max. 3 switching elements can be clipped on



Mounting cut-outs [mm]
PIT = Push-in terminal,
P3 = Plug-in terminal 6.3 x 0.8 mm,
P4 = Double plug-in terminal 6.3 x 0.8 mm,
X = Screw terminal

Equipment consisting of (schematic overview)

Front bezel set *page 128*

Lens *page 123*

Marking plate *page 127*

Actuator

Part of front bezel set

Bayonet flange *page 136*

LED *page 151*

Lamp block *page 137*

Switching element *page 139*

Each Part 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.

Switching action	Part No.	Wiring diagram	Weight
Illuminated pushbutton actuator round			
B	704.631.1	1	0.009 kg
C	704.632.1	2	0.009 kg

Switching action : B = Momentary, C = Maintain

E---

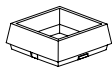
E~--

Wiring diagram 1

Wiring diagram 2

Illuminated pushbutton

Equipment consisting of (schematic overview)



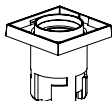
Front bezel



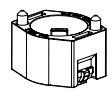
Lens



Lens holder



Actuator

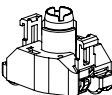


Bayonet flange

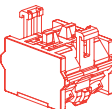


LED

page 151

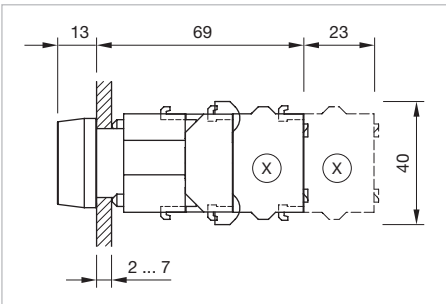


Lamp block

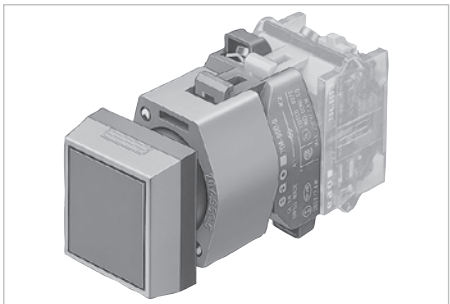


Switching element

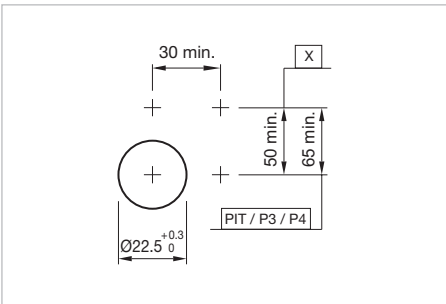
page 139



Dimensions [mm]
X = Screw terminal



Product can differ from the current configuration.



Mounting cut-outs [mm]
PIT = Push-in terminal,
P3 = Plug-in terminal 6.3 x 0.8 mm,
P4 = Double plug-in terminal 6.3 x 0.8 mm,
X = Screw terminal

Additional Information

- Other terminal options from the part switching element see «Accessories»
- The lamp block will be delivered with screw terminal
- Frontring with protective cover to be mounted with a torque of 40 Ncm onto actuator
- Max. 3 switching elements can be clipped on
- The colour of anodized aluminium parts can vary due to technical production reasons

Each Part 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.

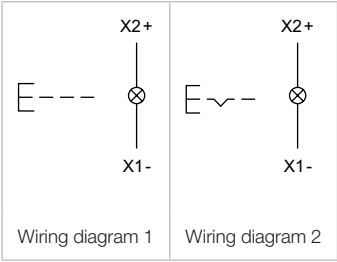
Front protection	Housing	Front ring	Front bezel	Lens	Switching action	Part No.	Wiring diagram	Weight
 Illuminated pushbutton actuator, Front dimension 30 x 30 mm								
IP 65	Plastic black		Plastic grey	Plastic red	B	704.230.2	1	0.056 kg
				Plastic yellow	B	704.230.4	1	0.056 kg
				Plastic green	B	704.230.5	1	0.056 kg
				Plastic blue	B	704.230.6	1	0.056 kg
				Plastic colourless	B	704.230.7	1	0.056 kg
			Plastic black	Plastic red	B	704.229.2	1	0.056 kg
				Plastic yellow	B	704.229.4	1	0.056 kg
				Plastic green	B	704.229.5	1	0.056 kg
				Plastic blue	B	704.229.6	1	0.056 kg
				Plastic colourless	B	704.229.7	1	0.056 kg
			Plastic grey	Plastic red	C	704.260.2	2	0.056 kg
				Plastic yellow	C	704.260.4	2	0.056 kg
				Plastic green	C	704.260.5	2	0.056 kg
				Plastic blue	C	704.260.6	2	0.056 kg
				Plastic colourless	C	704.260.7	2	0.056 kg

04 Raised design

Front protection	Housing	Front ring	Front bezel	Lens	Switching action	Part No.	Wiring diagram	Weight
IP 65	Plastic black		Plastic black	Plastic red	C	704.259.2	2	0.056 kg
				Plastic yellow	C	704.259.4	2	0.056 kg
				Plastic green	C	704.259.5	2	0.056 kg
				Plastic blue	C	704.259.6	2	0.056 kg
				Plastic colourless	C	704.259.7	2	0.056 kg
 Illuminated pushbutton actuator, Front dimension Ø 29 mm								
IP 65	Plastic grey	Plastic grey		Plastic red	B	704.030.2	1	0.056 kg
				Plastic yellow	B	704.030.4	1	0.056 kg
				Plastic green	B	704.030.5	1	0.056 kg
				Plastic blue	B	704.030.6	1	0.056 kg
				Plastic colourless	B	704.030.7	1	0.056 kg
		Plastic black		Plastic red	B	704.029.2	1	0.056 kg
				Plastic yellow	B	704.029.4	1	0.056 kg
				Plastic green	B	704.029.5	1	0.056 kg
				Plastic blue	B	704.029.6	1	0.056 kg
				Plastic colourless	B	704.029.7	1	0.056 kg
		Plastic grey		Plastic red	C	704.060.2	2	0.056 kg
				Plastic yellow	C	704.060.4	2	0.056 kg
				Plastic green	C	704.060.5	2	0.056 kg
				Plastic blue	C	704.060.6	2	0.056 kg
				Plastic colourless	C	704.060.7	2	0.056 kg
		Plastic black		Plastic red	C	704.059.2	2	0.056 kg
				Plastic yellow	C	704.059.4	2	0.056 kg
				Plastic green	C	704.059.5	2	0.056 kg
				Plastic blue	C	704.059.6	2	0.056 kg
				Plastic colourless	C	704.059.7	2	0.056 kg
		Aluminium natural anodized		Plastic red	B	704.032.2	1	0.056 kg
				Plastic yellow	B	704.032.4	1	0.056 kg
				Plastic green	B	704.032.5	1	0.056 kg
				Plastic blue	B	704.032.6	1	0.056 kg
				Plastic colourless	B	704.032.7	1	0.056 kg
		Aluminium natural anodized with protective cap		Plastic red	B	704.033.2	1	0.056 kg
				Plastic yellow	B	704.033.4	1	0.056 kg
				Plastic green	B	704.033.5	1	0.056 kg
				Plastic blue	B	704.033.6	1	0.056 kg
				Plastic colourless	B	704.033.7	1	0.056 kg
		Aluminium natural anodized		Plastic red	C	704.062.2	2	0.056 kg
				Plastic yellow	C	704.062.4	2	0.056 kg
				Plastic green	C	704.062.5	2	0.056 kg
				Plastic blue	C	704.062.6	2	0.056 kg
				Plastic colourless	C	704.062.7	2	0.056 kg

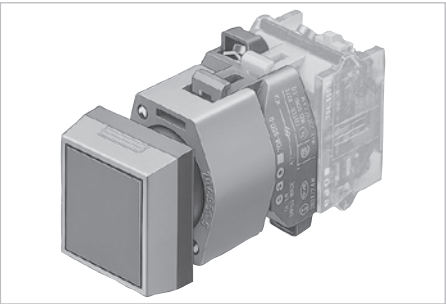
Front protection	Housing	Front ring	Front bezel	Lens	Switching action	Part No.	Wiring diagram	Weight
IP 67	Plastic grey	Aluminium natural anodized with protective cap		Plastic red	C	704.063.2	2	0.056 kg
				Plastic yellow	C	704.063.4	2	0.056 kg
				Plastic green	C	704.063.5	2	0.056 kg
				Plastic blue	C	704.063.6	2	0.056 kg
				Plastic colourless	C	704.063.7	2	0.056 kg

Switching action : B = Momentary, C = Maintain

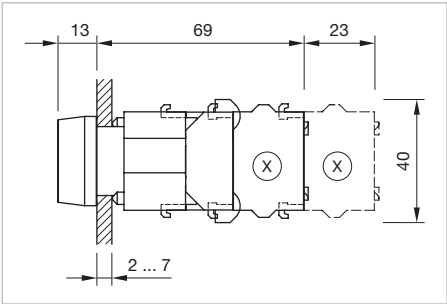


04 Raised design

Illuminated pushbutton square, IP 65

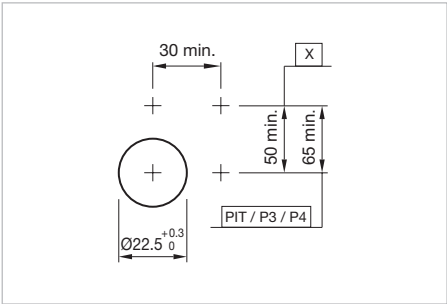


Product can differ from the current configuration.



Dimensions [mm]
X = Screw terminal

- Additional Information**
- For front dimension 30 x 30 mm
 - Other terminal options from the parts switching element and lamp block see «Accessories»
 - Max. 3 switching elements can be clipped on



Mounting cut-outs [mm]
PIT = Push-in terminal,
P3 = Plug-in terminal 6.3 x 0.8 mm,
P4 = Double plug-in terminal 6.3 x 0.8 mm,
X = Screw terminal

Equipment consisting of (schematic overview)		
	Front bezel	page 129
	Lens	page 123
	Lens holder	page 125
	Actuator	
	Bayonet flange	page 136
	LED	page 151
	Lamp block	page 137
	Switching element	page 139

Each Part 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.

Housing	Switching action	Part No.	Wiring diagram	Weight
	Illuminated pushbutton actuator square			
Plastic black	B	704.731.0	1	0.020 kg
Plastic grey	B	704.731.1	1	0.020 kg
	C	704.732.1	2	0.020 kg
Plastic black	C	704.732.0	2	0.020 kg

Switching action : B = Momentary, C = Maintain

Wiring diagram 1	Wiring diagram 2

Illuminated pushbutton round, IP 65

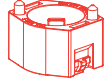
Equipment consisting of (schematic overview)

**Front ring**
page 130

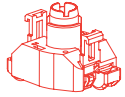
**Lens**
page 123

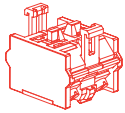
**Marking plate**
page 127

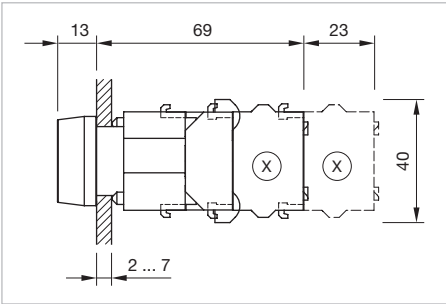
**Actuator**

**Bayonet flange**
page 136

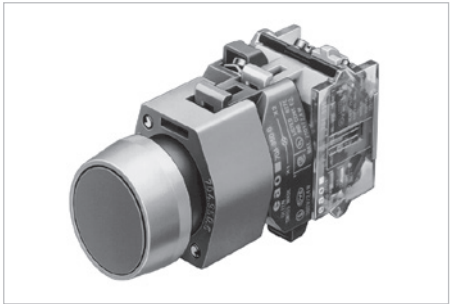
**LED**
page 151

**Lamp block**
page 137

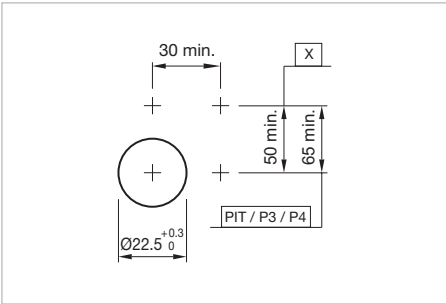
**Switching element**
page 139



Dimensions [mm]
X = Screw terminal



Product can differ from the current configuration.



Mounting cut-outs [mm]
PIT = Push-in terminal,
P3 = Plug-in terminal 6.3 x 0.8 mm,
P4 = Double plug-in terminal 6.3 x 0.8 mm,
X = Screw terminal

Additional Information

- For front dimension Ø 29 mm
- Lens flat or raised possible; equal choose marking plate or marking cap
- Lens metal with spot possible
- Housing plastic grey
- Other terminal options from the parts switching element and lamp block see «Accessories»
- Max. 3 switching elements can be clipped on

Each Part Number listed below includes all the black components shown in the 3D-drawing.

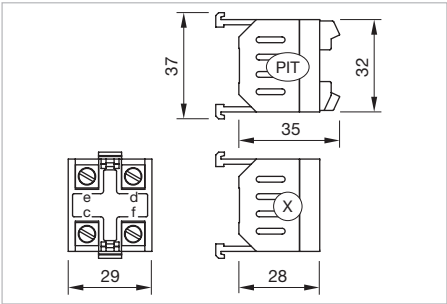
To obtain a complete unit, please select the red components from the pages shown.

Switching action	Part No.	Wiring diagram	Weight
 Illuminated pushbutton actuator round			
B	704.631.1	1	0.009 kg
C	704.632.1	2	0.009 kg

Switching action : B = Momentary, C = Maintain

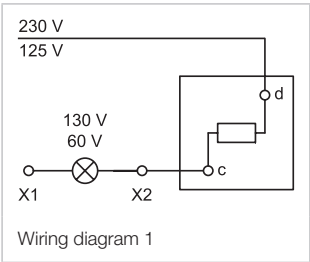
	
Wiring diagram 1	Wiring diagram 2

Resistor block



Dimensions [mm]
PIT = Push-in terminal,
X = Screw terminal

Product attribute	Operating voltage	Terminal	Part No.	Wiring diagram	Weight
	Lamp voltage/-current 130 V, 20 mA	230 / 130 VAC	Push-in Terminal	704.941.0P	1 0.014 kg
		230 / 130 VAC	Screw	704.941.0	1 0.017 kg
	Lamp voltage/- current 60 V, 33 mA	125 / 60 VAC	Push-in Terminal	704.941.5P	1 0.014 kg
		125 / 60 VAC	Screw	704.941.5	1 0.017 kg



Marking plate round flat

Marking plate illumination	Marking plate	Part No.	Weight
 Marking plate for lens round flat			
non-illuminative	black opaque	704.609.0	0.001 kg
 Marking plate for lens round flat			
LED	colourless transparent ripped	704.609.7	0.001 kg
 Marking plate for lens round flat			
LED and filament lamp	white translucent	704.609.9	0.001 kg
 Marking plate for lens round flat			
Halo illumination	white translucent	704.609.9A01	0.001 kg

Marking cap round encreased

Marking cap illumination	Marking cap	Part No.	Weight
 Marking cap for lens round encreased			
LED	colourless transparent ripped	704.610.7	0.001 kg
 Marking cap for lens round encreased			
LED and filament lamp	white translucent	704.610.9	0.001 kg

Front bezel square

Front be- zel		Part No.	Weight
			
	Front bezel square square, 30 x 30 mm		
	Plastic black	704.701.0	0.002 kg
	Plastic chrome	704.701.4	0.002 kg
	Plastic grey	704.701.6	0.002 kg

Front bezel set protective mem. , IP 67

Additional Information

- The colour of anodized aluminium parts can vary due to technical production reasons
- For pushbutton and illuminated pushbutton for IP 67 front protection
- Front ring to be mounted with a torque of 40 Ncm onto actuator

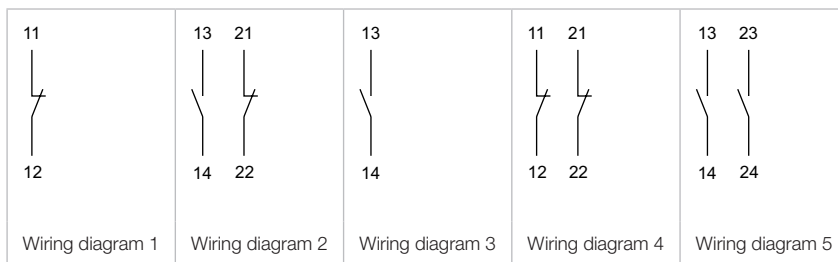
Product attribute	Dimension	Front ring	Part No.	Weight
				
Front bezel set with protective membrane, flush design				
with transparent silicone membrane	Ø 35 mm	Aluminium natural anodized	704.955.3	0.015 kg
		Aluminium black anodized	704.955.4	0.015 kg
with transparent silicone membrane, resistant to sea water	Ø 35 mm	Stainless-steel natural	704.955.9E	0.033 kg

04 Accessories

Switching voltage	Switching current	Switching system	Contacts	Contact material	Terminal	Part No.	Wiring diagram	Weight
 Switching element								
500 VAC	6 A	Snap-action switching element	1 NO	Silver	Plug 6.3 x 0.8 mm	704.905.1	3	0.021 kg
			1 NC	Silver	Plug 6.3 x 0.8 mm	704.905.2	1	0.021 kg
			2 NO	Silver	Plug 6.3 x 0.8 mm	704.905.3	5	0.028 kg
			2 NC	Silver	Plug 6.3 x 0.8 mm	704.905.4	4	0.028 kg
			1 NC + 1 NO	Silver	Plug 6.3 x 0.8 mm	704.905.5	2	0.028 kg
 Switching element								
500 VAC	6 A	Slow-make switching element	1 NO	Silver	Plug 6.3 x 0.8 mm	704.915.1	3	0.021 kg
			1 NC	Silver	Plug 6.3 x 0.8 mm	704.915.2	1	0.021 kg
			2 NO	Silver	Plug 6.3 x 0.8 mm	704.915.3	5	0.028 kg
			2 NC	Silver	Plug 6.3 x 0.8 mm	704.915.4	4	0.028 kg
			1 NC + 1 NO	Silver	Plug 6.3 x 0.8 mm	704.915.5	2	0.028 kg
 Switching element								
500 VAC	6 A	Snap-action switching element	1 NO	Gold	Double plug 6.3 x 0.8 mm	704.901.1/D	3	0.026 kg
			1 NC	Gold	Double plug 6.3 x 0.8 mm	704.901.2/D	1	0.026 kg
			2 NO	Gold	Double plug 6.3 x 0.8 mm	704.901.3/D	5	0.033 kg
			2 NC	Gold	Double plug 6.3 x 0.8 mm	704.901.4/D	4	0.033 kg
			1 NC + 1 NO	Gold	Double plug 6.3 x 0.8 mm	704.901.5/D	2	0.033 kg
			1 NO	Silver	Double plug 6.3 x 0.8 mm	704.905.1/D	3	0.026 kg
			1 NC	Silver	Double plug 6.3 x 0.8 mm	704.905.2/D	1	0.026 kg
			2 NO	Silver	Double plug 6.3 x 0.8 mm	704.905.3/D	5	0.033 kg
			2 NC	Silver	Double plug 6.3 x 0.8 mm	704.905.4/D	4	0.033 kg
			1 NC + 1 NO	Silver	Double plug 6.3 x 0.8 mm	704.905.5/D	2	0.033 kg
 Switching element								
500 VAC	6 A	Slow-make switching element	1 NO	Silver	Double plug 6.3 x 0.8 mm	704.915.1/D	3	0.025 kg
			1 NC	Silver	Double plug 6.3 x 0.8 mm	704.915.2/D	1	0.025 kg
			2 NO	Silver	Double plug 6.3 x 0.8 mm	704.915.3/D	5	0.032 kg
			2 NC	Silver	Double plug 6.3 x 0.8 mm	704.915.4/D	4	0.032 kg
			1 NC + 1 NO	Silver	Double plug 6.3 x 0.8 mm	704.915.5/D	2	0.032 kg

Switching voltage	Switching current	Switching system	Contacts	Contact material	Terminal	Part No.	Wiring diagram	Weight
 Switching element								
500 VAC	10 A	Snap-action switching element	1 NO	Gold	Screw	704.901.1	3	0.021 kg
			1 NC	Gold	Screw	704.901.2	1	0.021 kg
			2 NO	Gold	Screw	704.901.3	5	0.028 kg
			2 NC	Gold	Screw	704.901.4	4	0.028 kg
			1 NC + 1 NO	Gold	Screw	704.901.5	2	0.028 kg
			1 NO	Silver	Screw	704.900.1	3	0.021 kg
			1 NC	Silver	Screw	704.900.2	1	0.021 kg
			2 NO	Silver	Screw	704.900.3	5	0.028 kg
			2 NC	Silver	Screw	704.900.4	4	0.028 kg
			1 NC + 1 NO	Silver	Screw	704.900.5	2	0.028 kg
			1 NO	Palladium	Screw	704.902.1	3	0.021 kg
			1 NC	Palladium	Screw	704.902.2	1	0.021 kg
			2 NO	Palladium	Screw	704.902.3	5	0.028 kg
			2 NC	Palladium	Screw	704.902.4	4	0.028 kg
			1 NC + 1 NO	Palladium	Screw	704.902.5	2	0.028 kg
 Switching element								
500 VAC	10 A	Slow-make switching element	1 NO	Gold	Screw	704.911.1	3	0.021 kg
			1 NC	Gold	Screw	704.911.2	1	0.021 kg
			2 NO	Gold	Screw	704.911.3	5	0.028 kg
			2 NC	Gold	Screw	704.911.4	4	0.028 kg
			1 NC + 1 NO	Gold	Screw	704.911.5	2	0.028 kg
			1 NO	Silver	Screw	704.910.1	3	0.021 kg
			1 NC	Silver	Screw	704.910.2	1	0.021 kg
			2 NO	Silver	Screw	704.910.3	5	0.028 kg
			2 NC	Silver	Screw	704.910.4	4	0.028 kg
			1 NC + 1 NO	Silver	Screw	704.910.5	2	0.028 kg
			1 NO	Palladium	Screw	704.912.1	3	0.021 kg
			1 NC	Palladium	Screw	704.912.2	1	0.021 kg
			2 NO	Palladium	Screw	704.912.3	5	0.028 kg
			2 NC	Palladium	Screw	704.912.4	4	0.028 kg
			1 NC + 1 NO	Palladium	Screw	704.912.5	2	0.028 kg

Contacts: NC = Normally closed, NO = Normally open

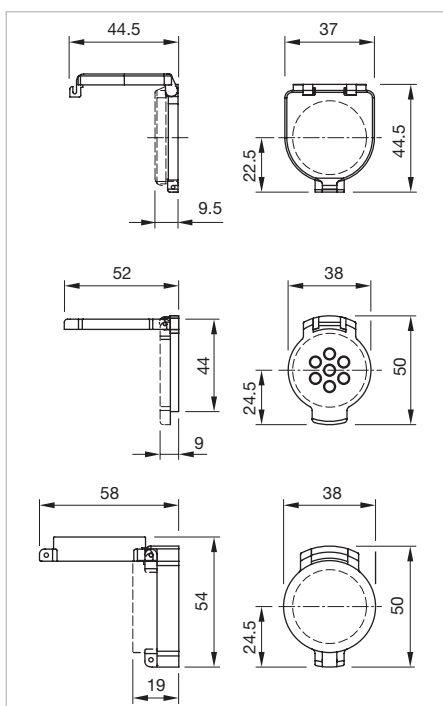


04 Accessories

Protective cover rd. flush des., IP 65

Additional Information

- Hinged
- Front panel thickness reduces by 2 mm
- The dimensions of the mounting cut-outs are shown in the product details
- Please note that bigger minimum distances are necessary
- The colour of anodized aluminium parts can vary due to technical production reasons



Dimensions [mm]

Product attribute	Dimension	Material	Colour	Optics	Part No.	Weight
 Protective cover round, flush design						
with means for sealing, for pushbutton with mounting cut-out Ø 30.5 mm	37 x 44.5 mm	Plastic	colourless	transparent	704.925.7	0.006 kg
 Protective cover round, flush design						
not with means for sealing, with spring fitted, with window, for pushbutton with mounting cut-out Ø 30.5 mm	38 x 50 mm	Aluminium	natural anodized		704.928.18	0.019 kg
 Protective cover round, flush design						
with means for sealing, for pushbutton and selector switch with mounting cut-out Ø 30.5 mm, short lever	38 x 50 mm	Aluminium	natural anodized		704.928.28	0.019 kg
 Protective cover round, flush design						
with means for sealing, for pushbutton and selector switch with mounting cut-out Ø 30.5 mm, short lever	38 x 50 mm	Aluminium	natural anodized		704.928.38	0.019 kg

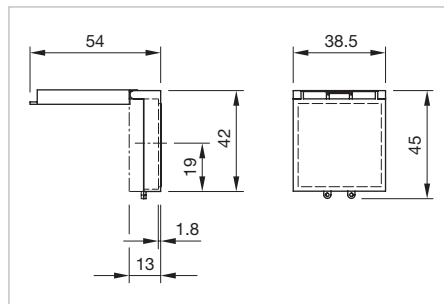
Front protective ring, IP 67**Additional Information**

- For pushbutton and illuminated pushbutton with front illumination (IP 67)
- Front protective ring to be mounted with a torque of 40 Ncm onto actuator
- The colour of anodized aluminium parts can vary due to technical production reasons

Product attribute	Material	Colour	Part No.	Weight
 Front protective ring				
with transparent silicone membrane (extent resistant to sea water), temperature resistance -40 °C ... +85 °C	Brass	chrome	704.600.2	0.005 kg
	Aluminium	natural anodized	704.600.3	0.005 kg
with transparent Pebax membrane, temperature resistance -40 °C ... +85 °C	Aluminium	natural anodized	704.600.5/A	0.005 kg

Protective cover sq. flush des., IP 67**Additional Information**

- Hinged
- Front panel thickness reduces by 2 mm
- Please note that bigger minimum distances are necessary

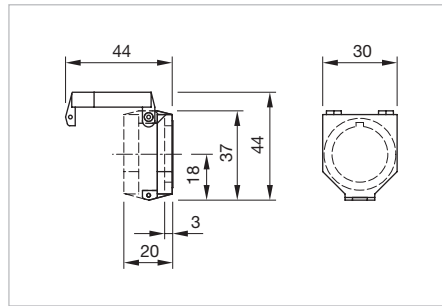


Dimensions [mm]

Product attribute	Dimension	Material	Optics	Part No.	Weight
 Protective cover square, flush design					
with means for sealing, for pushbutton with mounting cut-out 30 x 30 mm	38.5 x 45 mm	Plastic	transparent	704.925.8	0.007 kg
 Protective cover square, flush design					
with means for sealing, for selector switch with mounting cut-out 30 x 30 mm	38.5 x 45 mm	Plastic	transparent	704.925.9	0.007 kg

Protective cover raised design, IP 65**Additional Information**

- Hinged, with means for sealing
- Protective cover Part-No. only for selector switch in basic position A applicable
- Front panel thickness reduces by 3 mm
- The dimensions of the mounting cut-outs are shown in the product details
- Please note that bigger minimum distances are necessary



Dimensions [mm]

Product attribute	Dimension	Material	Optics	Part No.	Weight
 Protection cover round, raised design					
for pushbutton with mounting cut-out Ø 22.5 mm	30 x 37 mm	Plastic	transparent	704.925.0	0.007 kg
with spring fitted, for pushbutton with mounting cut-out Ø 22.5 mm	30 x 37 mm	Plastic	transparent	704.925.3	0.007 kg
 Protection cover round, raised design					
for selector switch	Ø 22.5 mm	Plastic	transparent	704.925.2	0.007 kg

Spare key**Additional Information**

- The standard lock Ronis 251
- Optional lock numbers on request

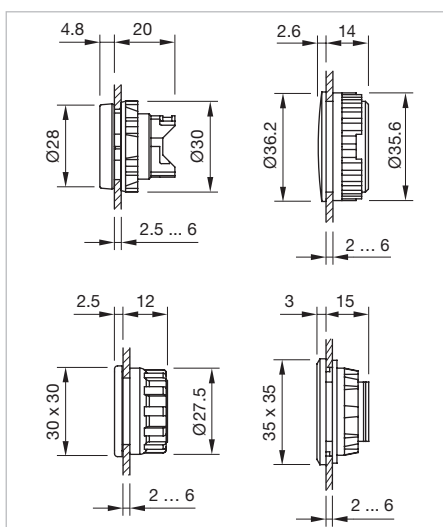
Product attribute	Part No.	Weight
 Spare key		
for keylock number 251, keylock type Ronis	704.989.251	0.006 kg

04 Accessories

Blind plug, IP 65

Additional Information

- The dimensions of the mounting cut-outs are shown in the product details
- Please note that bigger minimum distances are necessary



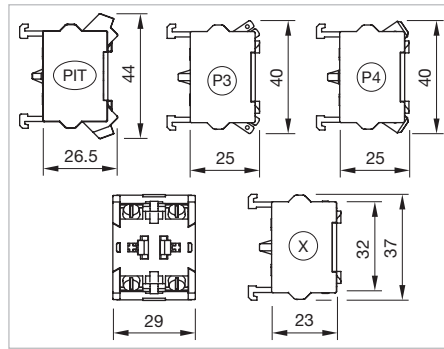
Dimensions [mm]

Dimension	Mounting cut-out	Material	Colour	Part No.	Weight
 Blind plug					
Ø 28 mm	Ø 22.5 mm	Plastic	black	704.960.4	0.004 kg
 Blind plug					
30 x 30 mm	Ø 22.5 mm	Plastic	black	704.964.7	0.009 kg
 Blind plug					
Ø 36 mm	Ø 30.5 mm	Plastic	black	704.964.8	0.007 kg
 Blind plug					
35 x 35 mm	30 x 30 mm	Plastic	black	704.964.9	0.009 kg

Switching element

Additional Information

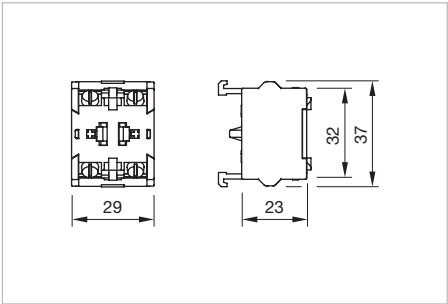
- For the third switching element the terminal marking insert is to be ordered separately



Dimensions [mm]
PIT = Push-in terminal,
P3 = Plug-in terminal 6.3 x 0.8 mm,
P4 = Double plug-in terminal 6.3 x 0.8 mm,
X = Screw terminal

Switching voltage	Switching current	Switching system	Contacts	Contact material	Terminal	Part No.	Wiring diagram	Weight
 Switching element								
500 VAC	6 A	Snap-action switching element	1 NO	Gold	Push-in Terminal	704.907.1	3	0.020 kg
			1 NC	Gold	Push-in Terminal	704.907.2	1	0.020 kg
			2 NO	Gold	Push-in Terminal	704.907.3	5	0.027 kg
			2 NC	Gold	Push-in Terminal	704.907.4	4	0.027 kg
			1 NC + 1 NO	Gold	Push-in Terminal	704.907.5	2	0.027 kg
			1 NO	Silver	Push-in Terminal	704.908.1	3	0.020 kg
			1 NC	Silver	Push-in Terminal	704.908.2	1	0.020 kg
			2 NO	Silver	Push-in Terminal	704.908.3	5	0.027 kg
			2 NC	Silver	Push-in Terminal	704.908.4	4	0.027 kg
			1 NC + 1 NO	Silver	Push-in Terminal	704.908.5	2	0.027 kg
 Switching element								
500 VAC	6 A	Slow-make switching element	1 NO	Gold	Push-in Terminal	704.917.1	3	0.019 kg
			1 NC	Gold	Push-in Terminal	704.917.2	1	0.019 kg
			2 NO	Gold	Push-in Terminal	704.917.3	5	0.026 kg
			2 NC	Gold	Push-in Terminal	704.917.4	4	0.019 kg
			1 NC + 1 NO	Gold	Push-in Terminal	704.917.5	2	0.026 kg
			1 NO	Silver	Push-in Terminal	704.918.1	3	0.019 kg
			1 NC	Silver	Push-in Terminal	704.918.2	1	0.019 kg
			2 NO	Silver	Push-in Terminal	704.918.3	5	0.026 kg
			2 NC	Silver	Push-in Terminal	704.918.4	4	0.019 kg
			1 NC + 1 NO	Silver	Push-in Terminal	704.918.5	2	0.026 kg

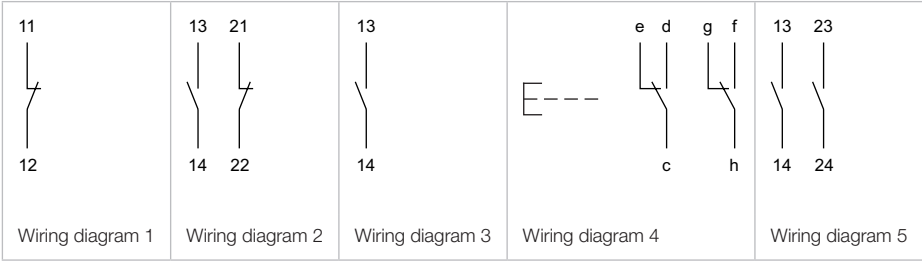
Switching element ring cable shoe



Dimensions [mm]

Switching voltage	Switching current	Switching system	Contacts	Contact material	Terminal	Part No.	Wiring diagram	Weight
								
Switching element for ring cable shoe								
500 VAC	10 A	Snap-action switching element	1 NO	Silver	Screw	704.900.1B	3	0.021 kg
			1 NC	Silver	Screw	704.900.2B	1	0.021 kg
			2 NO	Silver	Screw	704.900.3B	5	0.028 kg
			2 NC	Silver	Screw	704.900.4B	4	0.028 kg
			1 NC + 1 NO	Silver	Screw	704.900.5B	2	0.028 kg
								
Switching element for ring cable shoe								
500 VAC	10 A	Slow-make switching element	1 NO	Gold	Screw	704.911.1B	3	0.021 kg
			1 NC	Gold	Screw	704.911.2B	1	0.021 kg
			2 NO	Gold	Screw	704.911.3B	5	0.028 kg
			2 NC	Gold	Screw	704.911.4B	4	0.028 kg
			1 NC + 1 NO	Gold	Screw	704.911.5B	2	0.028 kg
			1 NO	Silver	Screw	704.910.1B	3	0.021 kg
			1 NC	Silver	Screw	704.910.2B	1	0.021 kg
			2 NO	Silver	Screw	704.910.3B	5	0.028 kg
			2 NC	Silver	Screw	704.910.4B	4	0.028 kg
			1 NC + 1 NO	Silver	Screw	704.910.5B	2	0.028 kg

Contacts: NC = Normally closed, NO = Normally open



Mounting tool indicator**Additional Information**

- For Indicators full-face illumination, compact
- for tightening or loosening of the fixing nut

Product attribute	Part No.	Weight
 Mounting tool for indicator	700.005.0	0.020 kg

Mounting tool key insert switch**Additional Information**

- for tightening or loosening of the fixing nut

Product attribute	Part No.	Weight
 Mounting tool for key insert switch	704.990.0	0.020 kg

Cable gland, IP 68**Additional Information**

- With traction relief
- With fixing nut

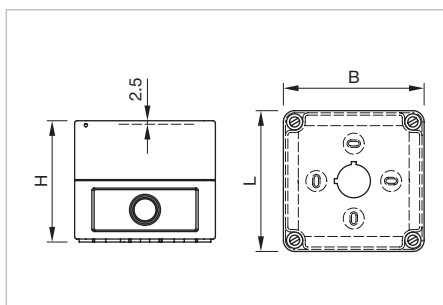
Product attribute	Thread	Material	Colour	Part No.	Weight
 Cable gland					
Clamping range Ø 4 ... 10 mm, thread length 8 mm	M16 x 1.5	Plastic	grey	61-9481.6	0.007 kg
Clamping range Ø 6 ... 12 mm, thread length 9 mm	M20 x 1.5	Plastic	grey	704.945.6	0.011 kg

04 Accessories

Enclosure, IP 66

Additional Information

- Cover lead-sealable
- Openings for cable gland M16 or M20



Dimensions [mm]

Product attribute	Dimension	Material	Colour	Part No.	Weight
 Enclosure					
with mounting cut-out 1 x Ø 22.5 mm, with anti-twist device	L 94 x B 94 x H 81 mm	Plastic	grey, similar RAL 7035	704.945.1	0.211 kg
 Enclosure					
with mounting cut-out 2 x Ø 22.5 mm, with anti-twist device	L 130 x B 94 x H 81 mm	Plastic	grey, similar RAL 7035	704.945.2	0.251 kg
 Enclosure					
with mounting cut-out 3 x Ø 22.5 mm, with anti-twist device	L 180 x B 94 x H 81 mm	Plastic	grey, similar RAL 7035	704.945.3	0.313 kg
 Enclosure					
with mounting cut-out 4 x Ø 22.5 mm, with anti-twist device	L 180 x B 182 x H 110 mm	Plastic	grey, similar RAL 7035	704.945.4	0.572 kg
 Enclosure					
with mounting cut-out 6 x Ø 22.5 mm, with anti-twist device	L 180 x B 182 x H 110 mm	Plastic	grey, similar RAL 7035	704.945.5	0.568 kg

04 Accessories

Reinforcement ring

Additional Information

- For thin front panel and plastic case

Dimension	Mounting cut-out	Material	Colour	Part No.	Weight
 Reinforcement ring					
44 x 29 x 3 mm	Ø 22.5 mm	Steel sheet	galvanized, yellow passivated	704.960.9	0.014 kg

Lens plug

Additional Information

- With lamp remover function (BA9s)
- For mounting and dismantling of the round lens, flush design

Part No.	Weight
 Lens plug for round lens, flush design	
700.006.0	0.003 kg

Lens remover

Additional Information

- For dismantling of the square lens, flush design

Part No.	Weight
 Lens remover	
98-968	0.004 kg

Mounting

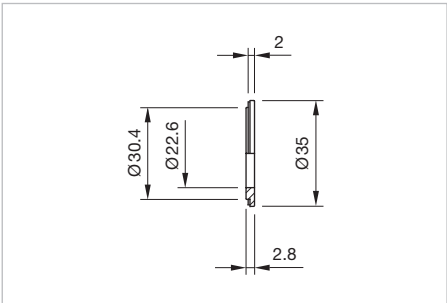
Anti-twist ring

Part No.	Weight
 Anti-twist ring, flush design	
704.954.0	0.002 kg

Reducing ring

Additional Information

- Devices Ø 22.5 mm in mounting cut-out Ø 30.5 mm
- With the metal bayonet flange you can use one reduction ring. If you have a plastic bayonet flange you need to install two reduction rings
- The colour of anodized aluminium parts can vary due to technical production reasons

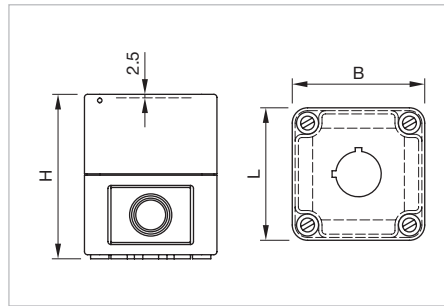


Dimensions [mm]

Product attribute	Material	Colour	Part No.	Weight
 Reducing ring	Aluminium	black anodized	704.960.0	0.004 kg
		natural anodized	704.960.8	0.004 kg
 Reducing ring with opening for anti rotation pin				
with slot for anti-twist device	Aluminium	natural anodized	704.960.8A	0.004 kg

Emergency-stop enclosure**Additional Information**

- Bottom grey similar RAL 7035; cover lead-sealable, yellow similar RAL 1004
- Openings for cable gland M16 or M20



Dimensions [mm]

Product attribute	Dimension	Part No.	Weight
 Emergency-stop enclosure with mounting cut-out 1 x Ø 22.5 mm, with anti-twist device	L 94 x B 94 x H 81 mm	704.945.0	0.195 kg
	L 65 x B 65 x H 81 mm	704.945.7	0.127 kg
 Emergency-stop enclosure with mounting cut-out 1 x Ø 22.5 mm, with anti-twist device	L 94 x B 65 x H 81 mm	704.945.8	0.157 kg
	L 65 x B 65 x H 81 mm	704.945.6	0.111 kg

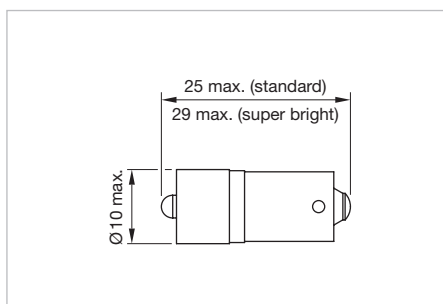
Cable gland, IP 68**Additional Information**

- With traction relief
- With fixing nut

Product attribute	Thread	Material	Colour	Part No.	Weight
 Cable gland Clamping range Ø 4 ... 10 mm, thread length 8 mm	M16 x 1.5	Plastic	grey	61-9481.6	0.007 kg
	M20 x 1.5	Plastic	grey	704.945.6	0.011 kg

Illumination**LED, BA9s****Additional Information**

- The specified 6 VDC, 24 VDC Bi-colour; 130 VAC, 130 DC und 230 VAC versions are built with a protection diode
- The specified 12, 24, 28, 48 VAC/DC versions are built with a bridge rectifier
- The specified 130 VAC types are developed to run on a supply voltage of 130 VAC only. An operation at a higher supply voltage using commercial lampholders with integrated resistors, is not approved
- If the 24VDC Bi-colour lamp is driven with normal polarity (plus on middle contact of the lamp) the first mentioned colour will light up, with inverted polarity the second colour will light up
- Luminous intensity data of the LEDs on direct voltage
- Electrical and optical data are measured at 25 °C
- Luminosity and wave length variations caused by LED manufacturing processes may cause slight differences regarding the illumination



Dimensions [mm]

LED colour	Operating voltage	Operation current	Lumi. intensity	Dom. wavelength	Part No.	Weight
 Single-LED						
Single-LED red	6 VDC +10 %	17 mA ±15 %	400 mcd	630 nm	10-2506.1082	0.002 kg
	12 VAC/DC +10 %	16 mA ±15 %	390 mcd	630 nm	10-2509.1142	0.002 kg
	24 VAC/DC +10 %	15 mA ±15 %	350 mcd	630 nm	10-2512.1142	0.002 kg
	28 VAC/DC +10 %	13 mA ±15 %	300 mcd	630 nm	10-2513.1142	0.002 kg
	48 VAC/DC +10 %	8 mA ±15 %	200 mcd	630 nm	10-2519.1052	0.002 kg
	130 VDC +10 %	3 mA ±15 %	120 mcd	630 nm	10-2524.3042	0.002 kg
	130 VAC +10 %	5 mA ±15 %	180 mcd	630 nm	10-2H24.2052	0.002 kg
	230 VAC +10 %	3 mA ±15 %	120 mcd	630 nm	10-2H25.2042	0.002 kg
Single-LED yellow	6 VDC +10 %	17 mA ±15 %	340 mcd	587 nm	10-2506.1084	0.002 kg
	12 VAC/DC +10 %	16 mA ±15 %	340 mcd	587 nm	10-2509.1144	0.002 kg
	24 VAC/DC +10 %	15 mA ±15 %	300 mcd	587 nm	10-2512.1144	0.002 kg
	28 VAC/DC +10 %	13 mA ±15 %	270 mcd	587 nm	10-2513.1144	0.002 kg
	48 VAC/DC +10 %	8 mA ±15 %	180 mcd	587 nm	10-2519.1054	0.002 kg
	130 VDC +10 %	3 mA ±15 %	110 mcd	587 nm	10-2524.3044	0.002 kg
	130 VAC +10 %	5 mA ±15 %	160 mcd	587 nm	10-2H24.2054	0.002 kg
	230 VAC +10 %	3 mA ±15 %	110 mcd	587 nm	10-2H25.2044	0.002 kg
Single-LED green	6 VDC +10 %	7 mA ±15 %	1050 mcd	525 nm	10-2506.1085	0.002 kg
	12 VAC/DC +10 %	7 mA ±15 %	1050 mcd	525 nm	10-2509.1145	0.002 kg
	24 VAC/DC +10 %	7 mA ±15 %	1050 mcd	525 nm	10-2512.1145	0.002 kg
	28 VAC/DC +10 %	7 mA ±15 %	1050 mcd	525 nm	10-2513.1145	0.002 kg
	48 VAC/DC +10 %	4 mA ±15 %	600 mcd	525 nm	10-2519.1055	0.002 kg
	130 VDC +10 %	2 mA ±15 %	300 mcd	525 nm	10-2524.3045	0.002 kg
	130 VAC +10 %	3 mA ±15 %	450 mcd	525 nm	10-2H24.2055	0.002 kg
	230 VAC +10 %	2 mA ±15 %	300 mcd	525 nm	10-2H25.2045	0.002 kg

04 Accessories

LED colour	Operating voltage	Operation current	Lumi. intensity	Dom. wavelength	Part No.	Weight
Single-LED blue	6 VDC +10 %	17 mA ±15 %	780 mcd	470 nm	10-2506.1086	0.002 kg
	12 VAC/DC +10 %	16 mA ±15 %	720 mcd	470 nm	10-2509.1146	0.002 kg
	24 VAC/DC +10 %	15 mA ±15 %	680 mcd	470 nm	10-2512.1146	0.002 kg
	28 VAC/DC +10 %	13 mA ±15 %	590 mcd	470 nm	10-2513.1146	0.002 kg
	48 VAC/DC +10 %	8 mA ±15 %	400 mcd	470 nm	10-2519.1056	0.002 kg
	130 VDC +10 %	3 mA ±15 %	200 mcd	470 nm	10-2524.3046	0.002 kg
	130 VAC +10 %	5 mA ±15 %	230 mcd	470 nm	10-2H24.2056	0.002 kg
	230 VAC +10 %	3 mA ±15 %	200 mcd	470 nm	10-2H25.2046	0.002 kg
Single-LED white	6 VDC +10 %	17 mA ±15 %	850 mcd	x0.31/y0.32 nm	10-2506.1089	0.002 kg
	12 VAC/DC +10 %	16 mA ±15 %	800 mcd	x0.31/y0.32 nm	10-2509.1149	0.002 kg
	24 VAC/DC +10 %	15 mA ±15 %	750 mcd	x0.31/y0.32 nm	10-2512.1149	0.002 kg
	28 VAC/DC +10 %	13 mA ±15 %	650 mcd	x0.31/y0.32 nm	10-2513.1149	0.002 kg
	48 VAC/DC +10 %	8 mA ±15 %	400 mcd	x0.31/y0.32 nm	10-2519.1059	0.002 kg
	130 VDC +10 %	3 mA ±15 %	150 mcd	x0.31/y0.32 nm	10-2524.3049	0.002 kg
	130 VAC +10 %	5 mA ±15 %	250 mcd	x0.31/y0.32 nm	10-2H24.2059	0.002 kg
	230 VAC +10 %	3 mA ±15 %	150 mcd	x0.31/y0.32 nm	10-2H25.2049	0.002 kg
 Single-LED super bright						
Single-LED red	28 VAC/DC +10 %	14 mA ±15 %	7700 mcd	630 nm	10-2413.1132R	0.002 kg
Single-LED green	28 VAC/DC +10 %	13 mA ±15 %	12400 mcd	525 nm	10-2413.1125R	0.002 kg
Single-LED yellow	28 VAC/DC +10 %	14 mA ±15 %	4200 mcd	589 nm	10-2413.1134R	0.002 kg
 Bi-colour LED						
Bi-colour LED red/green	24 VDC +10 %	15 mA ±15 %	1200/900 mcd	625/525 nm	10-2H12.314A	0.002 kg
Bi-colour LED red/yellow	24 VDC +10 %	15 mA ±15 %	1200/550 mcd	625/589 nm	10-2H12.314B	0.002 kg
Bi-colour LED yellow/green	24 VDC +10 %	15 mA ±15 %	900/550 mcd	525/589 nm	10-2H12.314C	0.002 kg

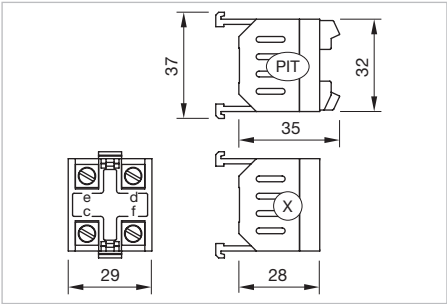
Filament lamp, BA9s

Additional Information

- The max. overall length of the lamp may not exceed 28 mm

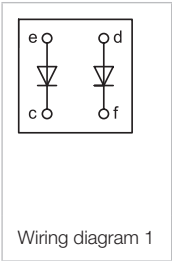
Operating voltage	Operation current	Part No.	Weight
Filament lamp			
6 VAC/DC	200 mA±10 %	10-1406.1369	0.002 kg
12 VAC/DC	100 mA±10 %	10-1409.1329	0.002 kg
24 VAC/DC	50 mA±10 %	10-1412.1279	0.002 kg
36 VAC/DC	56 mA±10 %	10-1416.1289	0.002 kg
48 VAC/DC	42 mA±10 %	10-1419.1249	0.002 kg
60 VAC/DC	33 mA±10 %	10-1420.1219	0.002 kg
110 VAC/DC	22 mA±10 %	10-1422.1179	0.002 kg
130 VAC/DC	20 mA±10 %	10-1424.1179	0.002 kg

Diode block

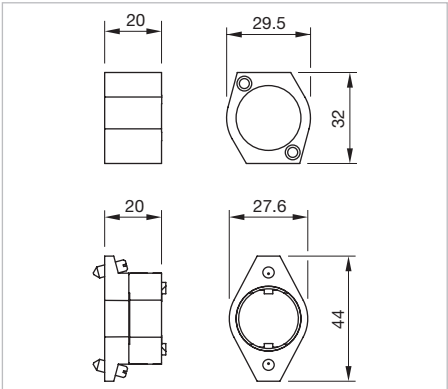


Dimensions [mm]
PIT = Push-in terminal,
X = Screw terminal

Diode 1N4007	Terminal	Part No.	Wiring diagram	Weight
				
2	Push-in Terminal	704.942.5P	1	0.016 kg
	Screw	704.942.5	1	0.019 kg



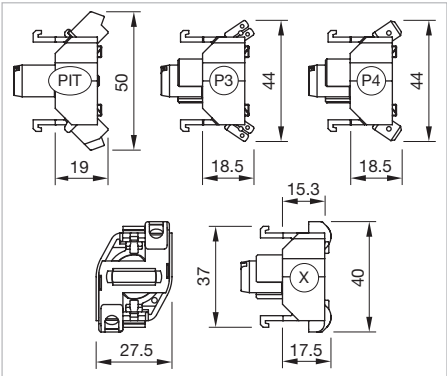
Bayonet flange



Dimensions [mm]

Material	Part No.	Weight
 Bayonet flange		
Plastic	704.950.5	0.015 kg
 Bayonet flange		
Metal	704.960.5	0.025 kg

Lamp block for selector switch 2 positions



Dimensions [mm]
PIT = Push-in terminal,
P3 = Plug-in terminal 6.3 x 0.8 mm,
P4 = Double plug-in terminal 6.3 x 0.8 mm,
X = Screw terminal

Product attribute	Terminal	Part No.	Wiring diagram	Weight
	Screw	704.950.0	1	0.012 kg
	Plug 6.3 x 0.8 mm	704.950.1	1	0.012 kg
Terminals nickel plated and blank Cu/Sn	Double plug 6.3 x 0.8 mm	704.950.1/D	1	0.013 kg
	Push-in Terminal	704.950.3	1	0.014 kg
Terminals nickel plated Cu/Sn	Double plug 6.3 x 0.8 mm	704.950.2/D	1	0.013 kg
for ring cable shoe	Screw	704.950.0B	1	0.013 kg

