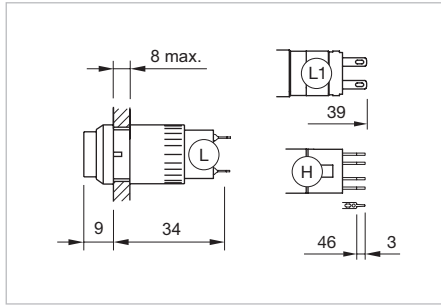


01 Raised design

Indicator, IP 40







Product can differ from the current configuration.



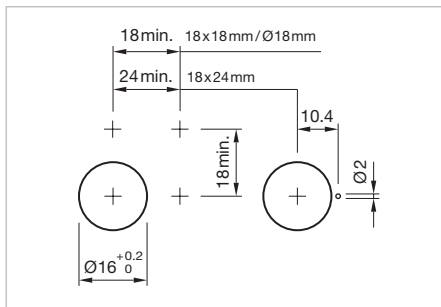
Dimensions [mm]
 H = Universal terminal 2.0 x 0.5 mm,
 L = Solder terminal,
 L1 = Solder terminal 2.8 x 0.5 mm

Equipment consisting of (schematic overview)



	Lens	<i>page 10</i>
	Single-LED	<i>page 17</i>
	Actuator	
	Fixing nut	


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.

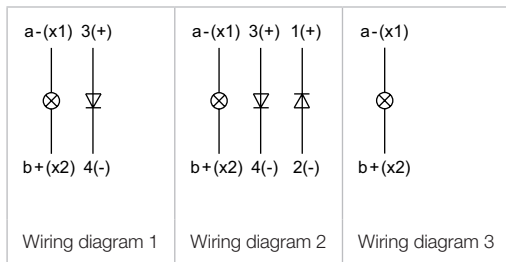


Mounting cut-outs [mm]



Diode 1N4007	Terminal	Part No.	Component layout	Wiring diagram	Weight
	Indicator actuator, Front dimension 18 x 18 mm				
1	Universal 2.0 x 0.5 mm	01-703.006	4	1	0.008 kg
2	Universal 2.0 x 0.5 mm	01-704.006	4	2	0.008 kg
	Solder 2.8 x 0.5 mm	01-050.002		3	0.006 kg
	Solder	01-050.005		3	0.006 kg
	Universal 2.0 x 0.5 mm	01-051.006	4	3	0.006 kg
	Indicator actuator, Front dimension 18 x 24 mm				
1	Universal 2.0 x 0.5 mm	01-701.006	4	1	0.008 kg
2	Universal 2.0 x 0.5 mm	01-702.006	4	2	0.008 kg
	Solder 2.8 x 0.5 mm	01-040.002		3	0.006 kg
	Solder	01-040.005		3	0.006 kg
	Universal 2.0 x 0.5 mm	01-041.006	4	3	0.006 kg


Diode 1N4007		Terminal	Part No.	Component layout	Wiring diagram	Weight
 <p>Indicator actuator, Front dimension Ø 18 mm</p>						
1	Universal 2.0 x 0.5 mm		01-741.006	4	1	0.008 kg
2	Universal 2.0 x 0.5 mm		01-742.006	4	2	0.008 kg
	Solder 2.8 x 0.5 mm		01-030.002		3	0.006 kg
	Solder		01-030.005		3	0.006 kg
	Universal 2.0 x 0.5 mm		01-031.006	4	3	0.006 kg

The component layouts you will find from page 22



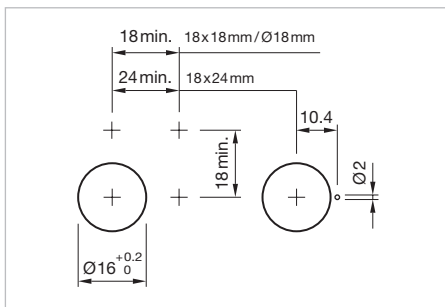
Lens plastic

Product attribute	Dimension	Lens	Part No.	Weight
 Lens plastic				
flat, illuminative	12.8 x 12.8 mm	red transparent	01-985.2	0.001 kg
		orange transparent	01-985.3	0.001 kg
		yellow transparent	01-985.4	0.001 kg
		green transparent	01-985.5	0.001 kg
		blue transparent	01-985.6	0.001 kg
		colourless transparent	01-985.7	0.001 kg
flat, illuminative, not suitable for film insert	12.8 x 12.8 mm	red translucent	01-951.2	0.001 kg
		orange translucent	01-951.3	0.001 kg
		yellow translucent	01-951.4	0.001 kg
		green translucent	01-951.5	0.001 kg
		blue translucent	01-951.6	0.001 kg
		white translucent	01-951.9	0.001 kg
flat, illuminative, less suitable for film insert	12.8 x 12.8 mm	red transparent	01-975.2	0.001 kg
		yellow transparent	01-975.4	0.001 kg
		green transparent	01-975.5	0.001 kg
		colourless transparent	01-975.7	0.001 kg
flat, non-illuminative	12.8 x 12.8 mm	black opaque	01-951.0	0.001 kg
		grey opaque	01-951.8	0.001 kg
 Lens plastic				
flat, illuminative	12.8 x 18.8 mm	red transparent	01-982.2	0.001 kg
		orange transparent	01-982.3	0.001 kg
		yellow transparent	01-982.4	0.001 kg
		green transparent	01-982.5	0.001 kg
		blue transparent	01-982.6	0.001 kg
		colourless transparent	01-982.7	0.001 kg
flat, illuminative, not suitable for film insert	12.8 x 18.8 mm	red translucent	01-901.2	0.001 kg
		orange translucent	01-901.3	0.001 kg
		yellow translucent	01-901.4	0.001 kg
		green translucent	01-901.5	0.001 kg
		blue translucent	01-901.6	0.001 kg
		white translucent	01-901.9	0.001 kg
flat, illuminative, less suitable for film insert	12.8 x 18.8 mm	red transparent	01-972.2	0.001 kg
		yellow transparent	01-972.4	0.001 kg
		green transparent	01-972.5	0.001 kg
		colourless transparent	01-972.7	0.001 kg
flat, non-illuminative	12.8 x 18.8 mm	black opaque	01-901.0	0.001 kg
		grey opaque	01-901.8	0.001 kg




Product attribute	Dimension	Lens	Part No.	Weight
 Lens plastic	Ø 15.8 mm	red transparent	01-983.2	0.001 kg
		orange transparent	01-983.3	0.001 kg
flat, illuminative	Ø 15.8 mm	yellow transparent	01-983.4	0.001 kg
		green transparent	01-983.5	0.001 kg
		blue transparent	01-983.6	0.001 kg
		colourless transparent	01-983.7	0.001 kg
		red translucent	01-931.2	0.001 kg
		orange translucent	01-931.3	0.001 kg
flat, illuminative, not suitable for film insert	Ø 15.8 mm	yellow translucent	01-931.4	0.001 kg
		green translucent	01-931.5	0.001 kg
		blue translucent	01-931.6	0.001 kg
		white translucent	01-931.9	0.001 kg
		red transparent	01-973.2	0.001 kg
flat, illuminative, less suitable for film insert	Ø 15.8 mm	yellow transparent	01-973.4	0.001 kg
		green transparent	01-973.5	0.001 kg
		colourless transparent	01-973.7	0.001 kg
flat, non-illuminative	Ø 15.8 mm	black opaque	01-931.0	0.001 kg
		grey opaque	01-931.8	0.001 kg

01 Accessories

Blind plug



Mounting cut-outs [mm]

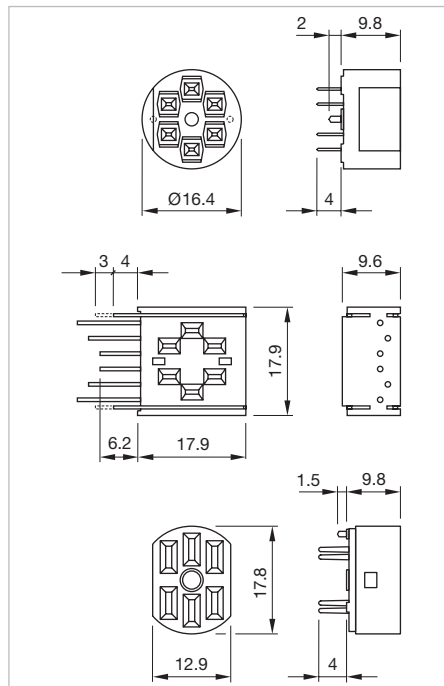
Dimension	Material	Colour	Part No.	Weight
 Blind plug				
18 x 18 mm	Plastic	black	01-948.0	0.001 kg
 Blind plug				
18 x 24 mm	Plastic	black	01-947.0	0.001 kg
 Blind plug				
Ø 18 mm	Plastic	black	01-949.0	0.001 kg

Rear side




PCB plug-in base

Additional Information

- PCB plug-in base pins right-angle: With the extendable mounting the distance between plug-in base and PCB can be varied up to 3 mm



Dimensions [mm]

Product attribute	Pins	Terminal	Part No.	Component layout	Weight
 <p>PCB plug-in base</p>					
for low level switching element	axial	PCB	31-940	3	0.002 kg
 <p>PCB plug-in base</p>					
for low level switching element	right-angled	PCB	31-941	1	0.004 kg
 <p>PCB plug-in base</p>					
for snap-action switching element 2.8 mm	axial	PCB	31-942	2	0.002 kg

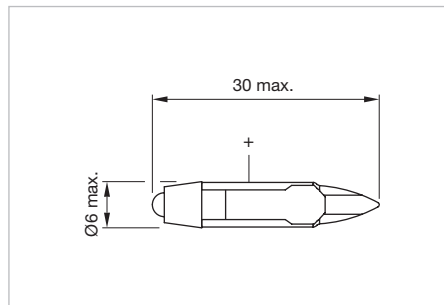
The component layouts you will find from page 22

Illumination


Single-LED, T5.5

Additional Information

- For LED element fitting information see «Application guidelines»
- Due to high surface temperatures, the series resistor must not be soldered directly to the terminals of the equipment (use a terminal plate)
- When using AC/DC types with AC operation, slight flickering can occur
- Luminous intensity data of the LEDs on direct voltage
- Electrical and optical data are measured at 25 °C
- The specified versions are built with a protection diode (half wave rectifier) in series and the LED
- Luminosity and wave length variations caused by LED manufacturing processes may cause slight differences regarding the illumination
- For supply voltages above 48 V, a voltage reduction element (external series resistor or transformer) must be used




Dimensions [mm]

LED colour	Operating voltage	Operation current	Lumi. intensity	Dom. wavelength	Part No.	Weight
 <p>Single-LED</p>						
Single-LED red	6 VDC +10 %	15 mA±15 %	350 mcd	630 nm	10-2106.3142	0.001 kg
	12 VAC/DC +10 %	7/14 mA±15 %	330 mcd	630 nm	10-2109.1062	0.001 kg
	24 VAC/DC +10 %	7/14 mA±15 %	330 mcd	630 nm	10-2112.1062	0.001 kg
	28 VAC/DC +10 %	7/14 mA±15 %	330 mcd	630 nm	10-2113.1062	0.001 kg
	48 VAC/DC +10 %	4/8 mA±15 %	200 mcd	630 nm	10-2119.1042	0.001 kg
Single-LED yellow	6 VDC +10 %	15 mA±15 %	300 mcd	587 nm	10-2106.3144	0.001 kg
	12 VAC/DC +10 %	7/14 mA±15 %	280 mcd	587 nm	10-2109.1064	0.001 kg
	24 VAC/DC +10 %	7/14 mA±15 %	280 mcd	587 nm	10-2112.1064	0.001 kg
	28 VAC/DC +10 %	7/14 mA±15 %	280 mcd	587 nm	10-2113.1064	0.001 kg
	48 VAC/DC +10 %	4/8 mA±15 %	180 mcd	587 nm	10-2119.1044	0.001 kg
Single-LED green	6 VDC +10 %	7 mA±15 %	1050 mcd	525 nm	10-2106.3145	0.001 kg
	12 VAC/DC +10 %	4/7 mA±15 %	1050 mcd	525 nm	10-2109.1065	0.001 kg
	24 VAC/DC +10 %	4/7 mA±15 %	1050 mcd	525 nm	10-2112.1065	0.001 kg
	28 VAC/DC +10 %	4/7 mA±15 %	1050 mcd	525 nm	10-2113.1065	0.001 kg
	48 VAC/DC +10 %	2/4 mA±15 %	600 mcd	525 nm	10-2119.1045	0.001 kg
Single-LED blue	6 VDC +10 %	15 mA±15 %	680 mcd	470 nm	10-2106.3146	0.001 kg
	12 VAC/DC +10 %	7/14 mA±15 %	650 mcd	470 nm	10-2109.1066	0.001 kg
	24 VAC/DC +10 %	7/14 mA±15 %	650 mcd	470 nm	10-2112.1066	0.001 kg
	28 VAC/DC +10 %	7/14 mA±15 %	650 mcd	470 nm	10-2113.1066	0.001 kg
	48 VAC/DC +10 %	4/8 mA±15 %	400 mcd	470 nm	10-2119.1046	0.001 kg

01 Accessories

LED colour	Operating voltage	Operation current	Lumi. intensity	Dom. wavelength	Part No.	Weight
Single-LED white	6 VDC +10 %	6 mA ±15 %	900 mcd	x0.31/y0.32 nm	10-2106.3149	0.001 kg
	12 VAC/DC +10 %	3/6 mA ±15 %	900 mcd	x0.31/y0.32 nm	10-2109.1069	0.001 kg
	24 VAC/DC +10 %	2.5/5 mA ±15 %	750 mcd	x0.31/y0.32 nm	10-2112.1069	0.001 kg
	28 VAC/DC +10 %	2.5/5 mA ±15 %	750 mcd	x0.31/y0.32 nm	10-2113.1069	0.001 kg
	48 VAC/DC +10 %	2/4 mA ±15 %	600 mcd	x0.31/y0.32 nm	10-2119.1049	0.001 kg


Filament lamp, T5.5

Operating voltage	Operation current	Part No.	Weight
 <p>Filament lamp</p>			
6 VAC/DC	200 mA	10-1106.1369	0.001 kg
12 VAC/DC	50 mA	10-1109.1279	0.001 kg
12 VAC/DC	100 mA	10-1109.1329	0.001 kg
24 VAC/DC	25 mA	10-1112.1199	0.001 kg
24 VAC/DC	50 mA	10-1112.1279	0.001 kg
28 VAC/DC	40 mA	10-1113.1249	0.001 kg
30 VAC/DC	40 mA	10-1114.1249	0.001 kg
36 VAC/DC	35 mA	10-1116.1229	0.001 kg
48 VAC/DC	25 mA	10-1119.1199	0.001 kg

Series resistor

Additional Information


- For lamp voltage reduction
- Only for filament lamp 48 VAC, 25 mA
- Keep to the country specific safety instructions
- Due to high surface temperatures, the series resistor must not be soldered directly to the terminals of the equipment (use a terminal plate)

Operating voltage	Resistance	Part No.	Weight
 <p>Series resistor</p>			
110 VAC	2.7 kOhm	02-904.0	0.003 kg
125 VAC	3.3 kOhm	02-904.1	0.003 kg
145 VAC	4.7 kOhm	02-904.3	0.003 kg
240 VAC	10 kOhm	02-904.7	0.003 kg

01 Accessories

Mounting


Lens remover

Part No.	Weight
 Lens remover	
02-905	0.011 kg

Lamp remover

Additional Information


- ▲ **Caution:** A switching process might be released when replacing the lamp

Part No.	Weight
 Lamp remover	
02-906	0.002 kg

Mounting tool

Additional Information

- For tightening or loosening of the fixing nut

Part No.	Weight
 Mounting tool	
01-907	0.020 kg