

Series 14

Characteristics

The compact 22.5 mm Series 14 enables space-saving installations and is especially suited for:

- Flush design
- Raised design
- PCB (with adaptor)

The low level switching element is laid out for low current applications.

Functions

The Series 14 incorporates the following functions:

- Indicator
- Pushbutton
- Illuminated pushbutton
- Mushroom-head pushbutton
- Keylock switch
- Selector switch
- Buzzer

Market segments

The EAO Series 14 is especially suited for applications in the segments:

- Public transportation
- Machinery and Automation
- Construction machines and special-purpose vehicles
- Lifting and moving
- Panel building

Please refer to the EAO website to obtain detailed information regarding this series www.products.eao.com
Configure a product to your exact needs and request a quotation.



Overview**Flush design**

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Raised design

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Keylock switch	77
Selector switch	80

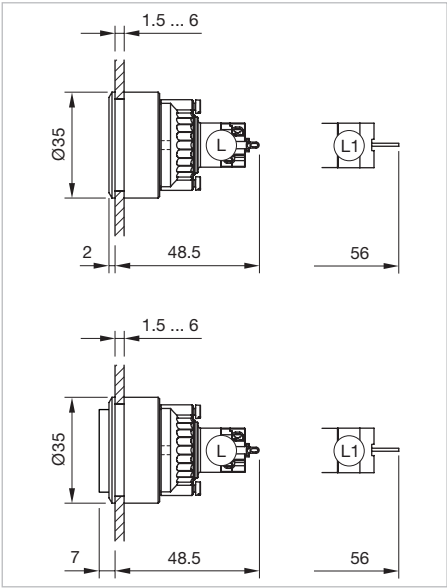
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14 Flush design

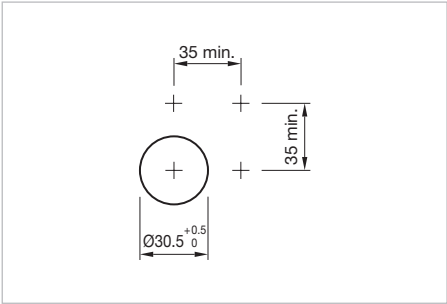
Indicator complete, IP67



Product can differ from the current configuration.

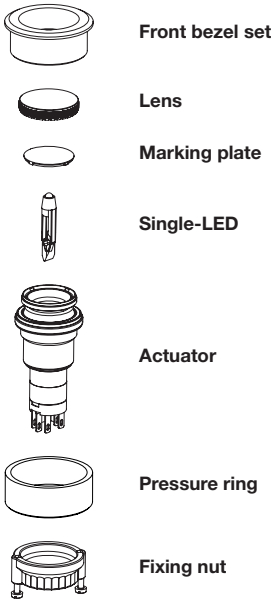


Dimensions [mm]
L = Solder terminal,
L1 = Solder/Plug-in terminal 2.8 x 0.8 mm



Mounting cut-outs [mm]

Equipment consisting of (schematic overview)



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

LED colour	Operating voltage	Lens profile	Lens colour	Terminal	Part No.	Wiring diagram	Weight
 Indicator, Front dimension Ø 35 mm							
red	24 VAC/DC	flush	red	Solder/Plug-in 2.8 x 0.8 mm	K14-040.210101	1	0.031 kg
 Indicator, Front dimension Ø 35 mm							
red	24 VAC/DC	raised	red	Solder/Plug-in 2.8 x 0.8 mm	K14-040.210051	1	0.031 kg
 Indicator, Front dimension Ø 35 mm							
yellow	24 VAC/DC	flush	yellow	Solder/Plug-in 2.8 x 0.8 mm	K14-040.210071	1	0.031 kg

LED colour	Operating voltage	Lens profile	Lens colour	Terminal	Part No.	Wiring diagram	Weight
 Indicator, Front dimension Ø 35 mm							
yellow	24 VAC/DC	raised	yellow	Solder/Plug-in 2.8 x 0.8 mm	K14-040.210021	1	0.031 kg
 Indicator, Front dimension Ø 35 mm							
green	24 VAC/DC	flush	green	Solder/Plug-in 2.8 x 0.8 mm	K14-040.210081	1	0.031 kg
 Indicator, Front dimension Ø 35 mm							
green	24 VAC/DC	raised	green	Solder/Plug-in 2.8 x 0.8 mm	K14-040.210031	1	0.031 kg
 Indicator, Front dimension Ø 35 mm							
blue	24 VAC/DC	flush	blue	Solder/Plug-in 2.8 x 0.8 mm	K14-040.210061	1	0.031 kg
 Indicator, Front dimension Ø 35 mm							
blue	24 VAC/DC	raised	blue	Solder/Plug-in 2.8 x 0.8 mm	K14-040.210011	1	0.031 kg
 Indicator, Front dimension Ø 35 mm							
clear	24 VAC/DC	flush	clear	Solder/Plug-in 2.8 x 0.8 mm	K14-040.210091	1	0.031 kg
 Indicator, Front dimension Ø 35 mm							
clear	24 VAC/DC	raised	clear	Solder/Plug-in 2.8 x 0.8 mm	K14-040.210041	1	0.031 kg
 Indicator, Front dimension Ø 35 mm							
red	28 VAC/DC	flush	red	Solder/Plug-in 2.8 x 0.8 mm	K14-040.210102	1	0.031 kg
 Indicator, Front dimension Ø 35 mm							
red	28 VAC/DC	raised	red	Solder/Plug-in 2.8 x 0.8 mm	K14-040.210052	1	0.031 kg
 Indicator, Front dimension Ø 35 mm							
yellow	28 VAC/DC	flush	yellow	Solder/Plug-in 2.8 x 0.8 mm	K14-040.210072	1	0.031 kg

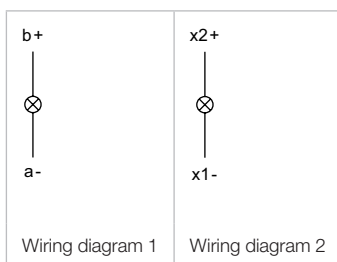
14 Flush design

LED colour	Operating voltage	Lens profile	Lens colour	Terminal	Part No.	Wiring diagram	Weight
 Indicator, Front dimension Ø 35 mm							
yellow	28 VAC/DC	raised	yellow	Solder/Plug-in 2.8 x 0.8 mm	K14-040.210022	1	0.031 kg
 Indicator, Front dimension Ø 35 mm							
green	28 VAC/DC	flush	green	Solder/Plug-in 2.8 x 0.8 mm	K14-040.210082	1	0.031 kg
 Indicator, Front dimension Ø 35 mm							
green	28 VAC/DC	raised	green	Solder/Plug-in 2.8 x 0.8 mm	K14-040.210032	1	0.031 kg
 Indicator, Front dimension Ø 35 mm							
blue	28 VAC/DC	flush	blue	Solder/Plug-in 2.8 x 0.8 mm	K14-040.210062	1	0.031 kg
 Indicator, Front dimension Ø 35 mm							
blue	28 VAC/DC	raised	blue	Solder/Plug-in 2.8 x 0.8 mm	K14-040.210012	1	0.031 kg
 Indicator, Front dimension Ø 35 mm							
clear	28 VAC/DC	flush	clear	Solder/Plug-in 2.8 x 0.8 mm	K14-040.210092	1	0.031 kg
 Indicator, Front dimension Ø 35 mm							
clear	28 VAC/DC	raised	clear	Solder/Plug-in 2.8 x 0.8 mm	K14-040.210042	1	0.031 kg
 Indicator, Front dimension Ø 35 mm							
red	24 VAC/DC	flush	red	Soldering terminal	K14-040.220101	2	0.031 kg
 Indicator, Front dimension Ø 35 mm							
red	24 VAC/DC	raised	red	Soldering terminal	K14-040.220051	2	0.031 kg
 Indicator, Front dimension Ø 35 mm							
yellow	24 VAC/DC	flush	yellow	Soldering terminal	K14-040.220071	2	0.031 kg

LED colour	Operating voltage	Lens profile	Lens colour	Terminal	Part No.	Wiring diagram	Weight
 Indicator, Front dimension Ø 35 mm							
yellow	24 VAC/DC	raised	yellow	Soldering terminal	K14-040.220021	2	0.031 kg
 Indicator, Front dimension Ø 35 mm							
green	24 VAC/DC	flush	green	Soldering terminal	K14-040.220081	2	0.031 kg
 Indicator, Front dimension Ø 35 mm							
green	24 VAC/DC	raised	green	Soldering terminal	K14-040.220031	2	0.031 kg
 Indicator, Front dimension Ø 35 mm							
blue	24 VAC/DC	flush	blue	Soldering terminal	K14-040.220061	2	0.031 kg
 Indicator, Front dimension Ø 35 mm							
blue	24 VAC/DC	raised	blue	Soldering terminal	K14-040.220011	2	0.031 kg
 Indicator, Front dimension Ø 35 mm							
clear	24 VAC/DC	flush	clear	Soldering terminal	K14-040.220091	2	0.031 kg
 Indicator, Front dimension Ø 35 mm							
clear	24 VAC/DC	raised	clear	Soldering terminal	K14-040.220041	2	0.031 kg
 Indicator, Front dimension Ø 35 mm							
red	28 VAC/DC	flush	red	Soldering terminal	K14-040.220102	2	0.031 kg
 Indicator, Front dimension Ø 35 mm							
red	28 VAC/DC	raised	red	Soldering terminal	K14-040.220052	2	0.031 kg

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LED colour	Operating voltage	Lens profile	Lens colour	Terminal	Part No.	Wiring diagram	Weight
 Indicator, Front dimension Ø 35 mm							
yellow	28 VAC/DC	flush	yellow	Soldering terminal	K14-040.220072	2	0.031 kg
 Indicator, Front dimension Ø 35 mm							
yellow	28 VAC/DC	raised	yellow	Soldering terminal	K14-040.220022	2	0.031 kg
 Indicator, Front dimension Ø 35 mm							
green	28 VAC/DC	flush	green	Soldering terminal	K14-040.220082	2	0.031 kg
 Indicator, Front dimension Ø 35 mm							
green	28 VAC/DC	raised	green	Soldering terminal	K14-040.220032	2	0.031 kg
 Indicator, Front dimension Ø 35 mm							
blue	28 VAC/DC	flush	blue	Soldering terminal	K14-040.220062	2	0.031 kg
 Indicator, Front dimension Ø 35 mm							
blue	28 VAC/DC	raised	blue	Soldering terminal	K14-040.220012	2	0.031 kg
 Indicator, Front dimension Ø 35 mm							
clear	28 VAC/DC	flush	clear	Soldering terminal	K14-040.220092	2	0.031 kg
 Indicator, Front dimension Ø 35 mm							
clear	28 VAC/DC	raised	clear	Soldering terminal	K14-040.220042	2	0.031 kg



Indicator, IP67

Equipment consisting of (schematic overview)



Front bezel setpage 91



Lenspage 83



Marking platepage 90



Single-LEDpage 103



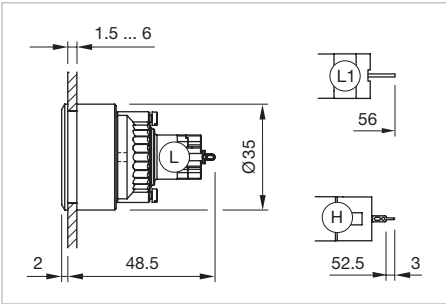
Actuator



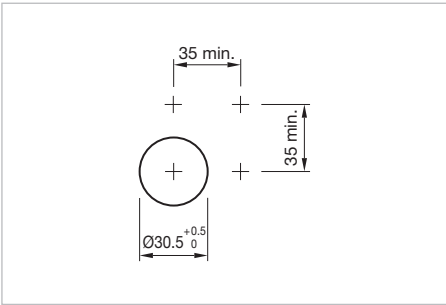
Pressure ring



Fixing nut



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



Mounting cut-outs [mm]



Product can differ from the current configuration.

Additional Information

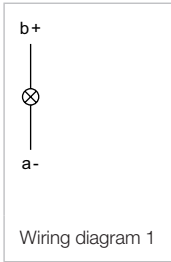
- For front dimension Ø 35 mm
- For LED element fitting information see «Application guidelines, LED polarity»

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.

Terminal	Part No.	Component layout	Wiring diagram	Weight
 Indicator actuator				
Solder 2.8 x 0.5 mm	14-040.002		1	0,050 kg
 Indicator actuator				
Solder	14-040.005		1	0,050 kg
 Indicator actuator				
Universal 2.0 x 0.5 mm	14-041.006	1	1	0,050 kg

The component layouts you will find from page 110

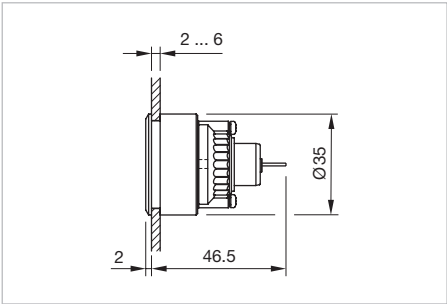


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Buzzer, IP65

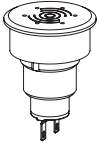


Product can differ from the current configuration.



Dimensions [mm]

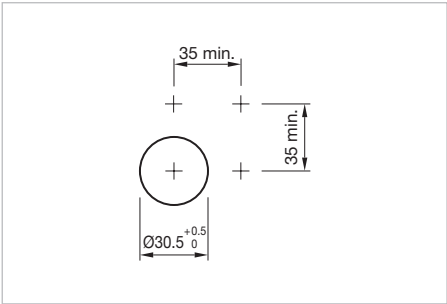
Equipment consisting of (schematic overview)

**Buzzer**

**Pressure ring**

**Fixing nut**

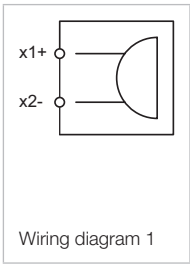
- Additional Information
- For PCB application use adaptor Part-No. 31-942
 - Further information see «Technical data»
 - The colour of anodized aluminium parts can vary due to technical production reasons



Mounting cut-outs [mm]

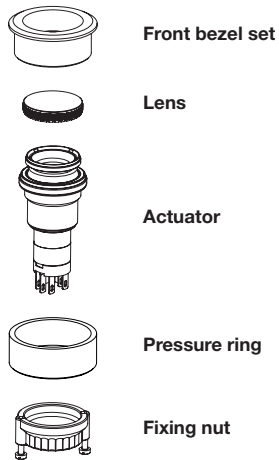
Each Part Number listed below includes all the black components shown in the 3D-drawing.

Operating voltage	Front cap	Terminal	Part No.	Wiring diagram	Weight
Buzzer, Front dimension Ø 35 mm					
24 VDC	Aluminium black anodized	Solder 2.8 x 0.5 mm	14-810.910	1	0,016 kg
	Aluminium natural anodized	Solder 2.8 x 0.5 mm	14-810.918	1	0,016 kg

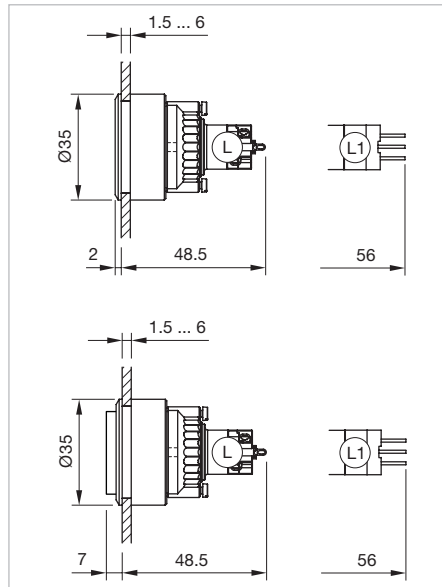


Pushbutton complete, IP67

Equipment consisting of (schematic overview)



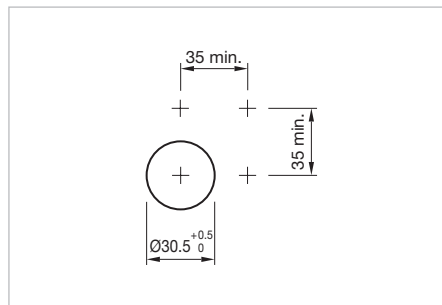
Each Part Number listed below includes all the black components shown in the 3D-drawing.



Dimensions [mm]
 L = Solder terminal,
 L1 = Solder/Plug-in terminal 2.8 x 0.8 mm



Product can differ from the current configuration.



Mounting cut-outs [mm]

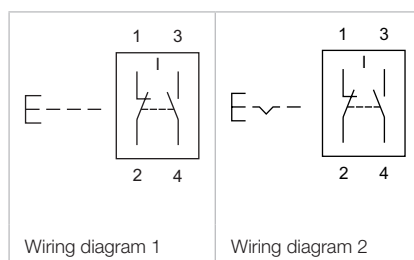
Lens profile	Lens colour	Contacts	Switching action	Terminal	Part No.	Wiring diagram	Weight
 Pushbutton, Front dimension Ø 35 mm							
flush	red anodized	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.211110	1	0.031 kg
 Pushbutton, Front dimension Ø 35 mm							
flush	black anodized	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.211120	1	0.031 kg
 Pushbutton, Front dimension Ø 35 mm							
flush	natural anodized	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.211130	1	0.031 kg

14 Flush design

Lens profile	Lens colour	Contacts	Switching action	Terminal	Part No.	Wiring diagram	Weight
 Pushbutton, Front dimension Ø 35 mm							
flush	green anodized	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.211140	1	0.031 kg
 Pushbutton, Front dimension Ø 35 mm							
flush	blue anodized	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.211150	1	0.031 kg
 Pushbutton, Front dimension Ø 35 mm							
flush	red anodized	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.212110	2	0.031 kg
 Pushbutton, Front dimension Ø 35 mm							
flush	black anodized	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.212120	2	0.031 kg
 Pushbutton, Front dimension Ø 35 mm							
flush	natural anodized	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.212130	2	0.031 kg
 Pushbutton, Front dimension Ø 35 mm							
flush	green anodized	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.212140	2	0.031 kg
 Pushbutton, Front dimension Ø 35 mm							
flush	blue anodized	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.212150	2	0.031 kg
 Pushbutton, Front dimension Ø 35 mm							
flush	red anodized	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.221110	1	0.031 kg
 Pushbutton, Front dimension Ø 35 mm							
flush	black anodized	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.221120	1	0.031 kg

Lens profile	Lens colour	Contacts	Switching action	Terminal	Part No.	Wiring diagram	Weight
 Pushbutton, Front dimension Ø 35 mm							
flush	natural anodized	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.221130	1	0.031 kg
 Pushbutton, Front dimension Ø 35 mm							
flush	green anodized	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.221140	1	0.031 kg
 Pushbutton, Front dimension Ø 35 mm							
flush	blue anodized	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.221150	1	0.031 kg
 Pushbutton, Front dimension Ø 35 mm							
flush	red anodized	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.222110	2	0.031 kg
 Pushbutton, Front dimension Ø 35 mm							
flush	black anodized	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.222120	2	0.031 kg
 Pushbutton, Front dimension Ø 35 mm							
flush	natural anodized	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.222130	2	0.031 kg
 Pushbutton, Front dimension Ø 35 mm							
flush	green anodized	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.222140	2	0.031 kg
 Pushbutton, Front dimension Ø 35 mm							
flush	blue anodized	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.222150	2	0.031 kg

Contacts: NC = Normally closed, NO = Normally open

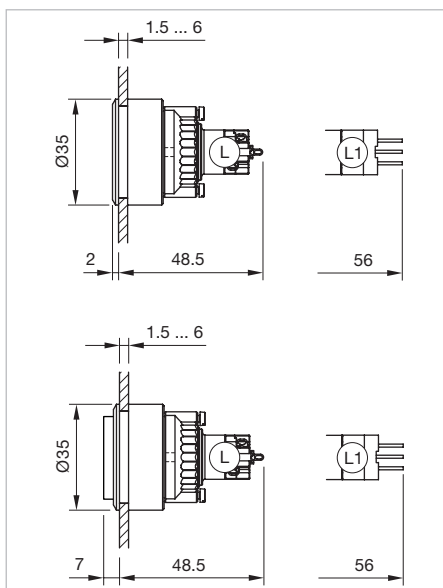


14 Flush design

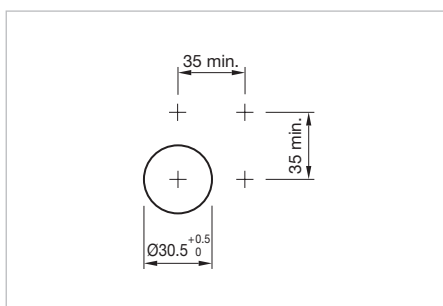
Illuminated pushbutton complete, IP67



Product can differ from the current configuration.

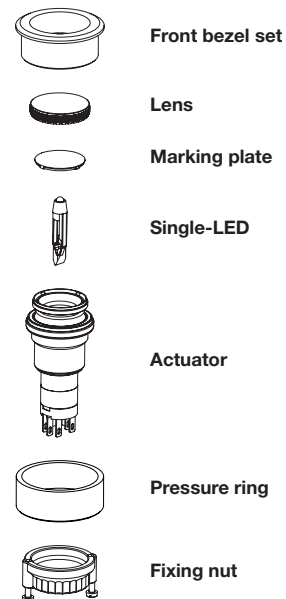


Dimensions [mm]
L = Solder terminal,
L1 = Solder/Plug-in terminal 2.8 x 0.8 mm



Mounting cut-outs [mm]

Equipment consisting of (schematic overview)



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

LED colour	Operating voltage	Lens profile	Lens colour	Contacts	Switching action	Terminal	Part No.	Wiring diagram	Weight
 Illuminated pushbutton, Front dimension Ø 35 mm									
red	24 VAC/DC	flush	red	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.211101	1	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
red	24 VAC/DC	raised	red	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.211051	1	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
yellow	24 VAC/DC	flush	yellow	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.211071	1	0.031 kg

LED colour	Operating voltage	Lens profile	Lens colour	Contacts	Switching action	Terminal	Part No.	Wiring diagram	Weight
 Illuminated pushbutton, Front dimension Ø 35 mm									
yellow	24 VAC/DC	raised	yellow	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.211021	1	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
green	24 VAC/DC	flush	green	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.211081	1	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
green	24 VAC/DC	raised	green	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.211031	1	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
blue	24 VAC/DC	flush	blue	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.211061	1	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
blue	24 VAC/DC	raised	blue	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.211011	1	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
clear	24 VAC/DC	flush	clear	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.211091	1	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
clear	24 VAC/DC	raised	clear	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.211041	1	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
red	28 VAC/DC	flush	red	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.211102	1	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
red	28 VAC/DC	raised	red	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.211052	1	0.031 kg

14 Flush design

LED colour	Operating voltage	Lens profile	Lens colour	Contacts	Switching action	Terminal	Part No.	Wiring diagram	Weight
 Illuminated pushbutton, Front dimension Ø 35 mm									
yellow	28 VAC/DC	flush	yellow	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.211072	1	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
yellow	28 VAC/DC	raised	yellow	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.211022	1	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
green	28 VAC/DC	flush	green	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.211082	1	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
green	28 VAC/DC	raised	green	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.211032	1	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
blue	28 VAC/DC	flush	blue	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.211062	1	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
blue	28 VAC/DC	raised	blue	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.211012	1	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
clear	28 VAC/DC	flush	clear	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.211092	1	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
clear	28 VAC/DC	raised	clear	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.211042	1	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
red	24 VAC/DC	flush	red	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.212101	2	0.031 kg

LED colour	Operating voltage	Lens profile	Lens colour	Contacts	Switching action	Terminal	Part No.	Wiring diagram	Weight
 Illuminated pushbutton, Front dimension Ø 35 mm									
red	24 VAC/DC	raised	red	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.212051	2	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
yellow	24 VAC/DC	flush	yellow	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.212071	2	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
yellow	24 VAC/DC	raised	yellow	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.212021	2	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
green	24 VAC/DC	flush	green	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.212081	2	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
green	24 VAC/DC	raised	green	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.212031	2	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
blue	24 VAC/DC	flush	blue	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.212061	2	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
blue	24 VAC/DC	raised	blue	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.212011	2	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
clear	24 VAC/DC	flush	clear	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.212091	2	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
clear	24 VAC/DC	raised	clear	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.212041	2	0.031 kg

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LED colour	Operating voltage	Lens profile	Lens colour	Contacts	Switching action	Terminal	Part No.	Wiring diagram	Weight
 Illuminated pushbutton, Front dimension Ø 35 mm									
red	28 VAC/DC	flush	red	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.212102	2	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
red	28 VAC/DC	raised	red	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.212052	2	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
yellow	28 VAC/DC	flush	yellow	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.212072	2	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
yellow	28 VAC/DC	raised	yellow	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.212022	2	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
green	28 VAC/DC	flush	green	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.212082	2	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
green	28 VAC/DC	raised	green	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.212032	2	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
blue	28 VAC/DC	flush	blue	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.212062	2	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
blue	28 VAC/DC	raised	blue	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.212012	2	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
clear	28 VAC/DC	flush	clear	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.212092	2	0.031 kg

LED colour	Operating voltage	Lens profile	Lens colour	Contacts	Switching action	Terminal	Part No.	Wiring diagram	Weight
 Illuminated pushbutton, Front dimension Ø 35 mm									
clear	28 VAC/DC	raised	clear	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.212042	2	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
red	24 VAC/DC	flush	red	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.221101	1	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
red	24 VAC/DC	raised	red	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.221051	1	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
yellow	24 VAC/DC	flush	yellow	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.221071	1	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
yellow	24 VAC/DC	raised	yellow	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.221021	1	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
green	24 VAC/DC	flush	green	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.221081	1	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
green	24 VAC/DC	raised	green	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.221031	1	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
blue	24 VAC/DC	flush	blue	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.221061	1	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
blue	24 VAC/DC	raised	blue	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.221011	1	0.031 kg

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LED colour	Operating voltage	Lens profile	Lens colour	Contacts	Switching action	Terminal	Part No.	Wiring diagram	Weight
 Illuminated pushbutton, Front dimension Ø 35 mm									
clear	24 VAC/DC	flush	clear	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.221091	1	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
clear	24 VAC/DC	raised	clear	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.221041	1	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
red	28 VAC/DC	flush	red	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.221102	1	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
red	28 VAC/DC	raised	red	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.221052	1	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
yellow	28 VAC/DC	flush	yellow	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.221072	1	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
yellow	28 VAC/DC	raised	yellow	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.221022	1	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
green	28 VAC/DC	flush	green	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.221082	1	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
green	28 VAC/DC	raised	green	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.221032	1	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
blue	28 VAC/DC	flush	blue	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.221062	1	0.031 kg

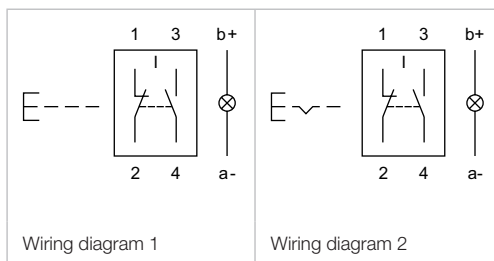
LED colour	Operating voltage	Lens profile	Lens colour	Contacts	Switching action	Terminal	Part No.	Wiring diagram	Weight
	Illuminated pushbutton, Front dimension Ø 35 mm								
blue	28 VAC/DC	raised	blue	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.221012	1	0.031 kg
	Illuminated pushbutton, Front dimension Ø 35 mm								
clear	28 VAC/DC	flush	clear	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.221092	1	0.031 kg
	Illuminated pushbutton, Front dimension Ø 35 mm								
clear	28 VAC/DC	raised	clear	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.221042	1	0.031 kg
	Illuminated pushbutton, Front dimension Ø 35 mm								
red	24 VAC/DC	flush	red	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.222101	2	0.031 kg
	Illuminated pushbutton, Front dimension Ø 35 mm								
red	24 VAC/DC	raised	red	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.222051	2	0.031 kg
	Illuminated pushbutton, Front dimension Ø 35 mm								
yellow	24 VAC/DC	flush	yellow	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.222071	2	0.031 kg
	Illuminated pushbutton, Front dimension Ø 35 mm								
yellow	24 VAC/DC	raised	yellow	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.222021	2	0.031 kg
	Illuminated pushbutton, Front dimension Ø 35 mm								
green	24 VAC/DC	flush	green	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.222081	2	0.031 kg
	Illuminated pushbutton, Front dimension Ø 35 mm								
green	24 VAC/DC	raised	green	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.222031	2	0.031 kg

14 Flush design

LED colour	Operating voltage	Lens profile	Lens colour	Contacts	Switching action	Terminal	Part No.	Wiring diagram	Weight
 Illuminated pushbutton, Front dimension Ø 35 mm									
blue	24 VAC/DC	flush	blue	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.222061	2	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
blue	24 VAC/DC	raised	blue	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.222011	2	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
clear	24 VAC/DC	flush	clear	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.222091	2	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
clear	24 VAC/DC	raised	clear	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.222041	2	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
red	28 VAC/DC	flush	red	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.222102	2	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
red	28 VAC/DC	raised	red	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.222052	2	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
yellow	28 VAC/DC	flush	yellow	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.222072	2	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
yellow	28 VAC/DC	raised	yellow	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.222022	2	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
green	28 VAC/DC	flush	green	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.222082	2	0.031 kg

LED colour	Operating voltage	Lens profile	Lens colour	Contacts	Switching action	Terminal	Part No.	Wiring diagram	Weight
 Illuminated pushbutton, Front dimension Ø 35 mm									
green	28 VAC/DC	raised	green	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.222032	2	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
blue	28 VAC/DC	flush	blue	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.222062	2	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
blue	28 VAC/DC	raised	blue	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.222012	2	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
clear	28 VAC/DC	flush	clear	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.222092	2	0.031 kg
 Illuminated pushbutton, Front dimension Ø 35 mm									
clear	28 VAC/DC	raised	clear	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.222042	2	0.031 kg

Contacts: NC = Normally closed, NO = Normally open

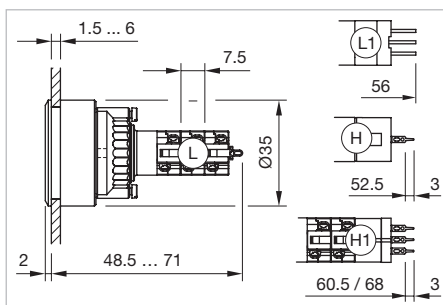


14 Flush design

Illuminated pushbutton, IP67



Product can differ from the current configuration.

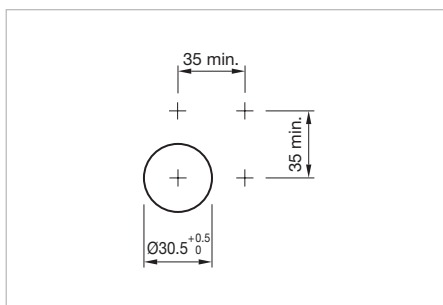


Dimensions [mm]

L = Solder terminal, L1 = Solder/Plug-in terminal 2.8 x 0.5 mm, H = Universal terminal 2.0 x 0.5 mm, H1 = Universal-Solder terminal

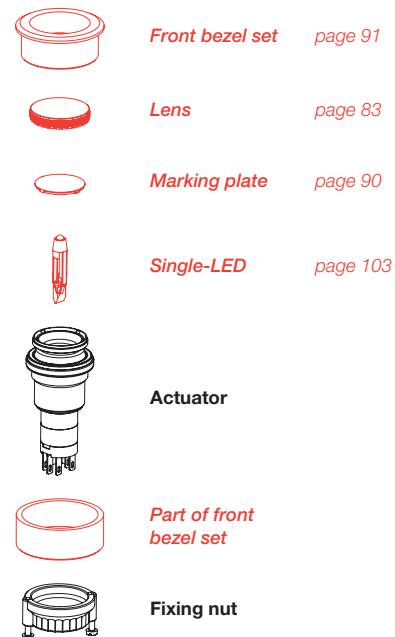
Additional Information

- For front dimension Ø 35 mm
- For LED element fitting information see «Application guidelines, LED polarity»



Mounting cut-outs [mm]

Equipment consisting of (schematic overview)



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.

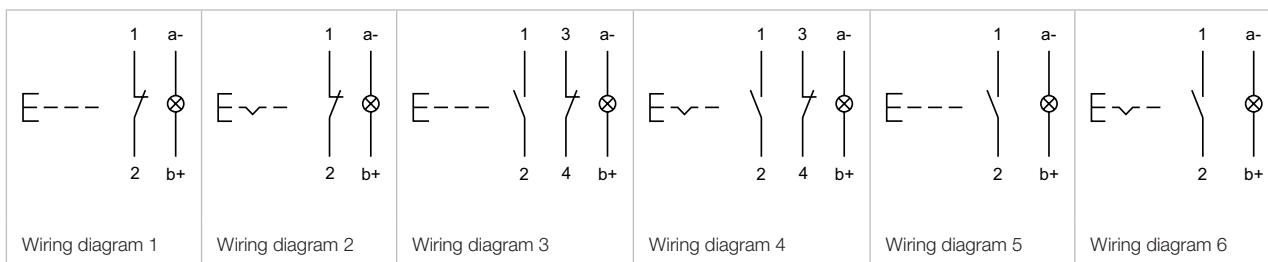
Switching system	Contacts	Switching action	Terminal	Diode 1N4007	Part No.	Component layout	Wiring diagram	Weight
 Illuminated pushbutton actuator, Front dimension Ø 35 mm								
Low-level element	1 NC	Momentary	Universal 2.0 x 0.5 mm	–	14-436.036	1	1	0,015 kg
 Illuminated pushbutton actuator, Front dimension Ø 35 mm								
Low-level element	1 NC	Maintained	Universal 2.0 x 0.5 mm	–	14-476.036	1	2	0,015 kg
 Illuminated pushbutton actuator, Front dimension Ø 35 mm								
Low-level element	1 NC + 1 NO	Momentary	Universal 2.0 x 0.5 mm	–	14-433.036	1	3	0,015 kg
 Illuminated pushbutton actuator, Front dimension Ø 35 mm								
Low-level element	1 NC + 1 NO	Maintained	Universal 2.0 x 0.5 mm	–	14-473.036	1	4	0,015 kg
	1 NO	Momentary	Universal 2.0 x 0.5 mm	–	14-435.036	1	5	0,015 kg

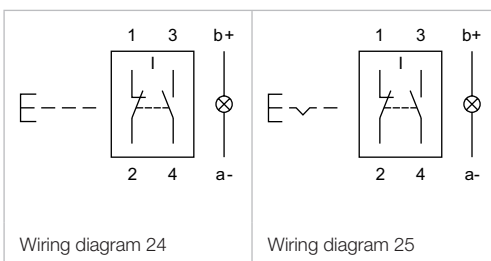
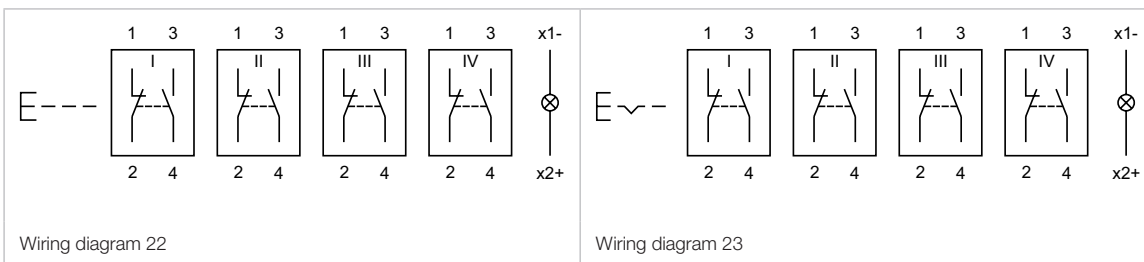
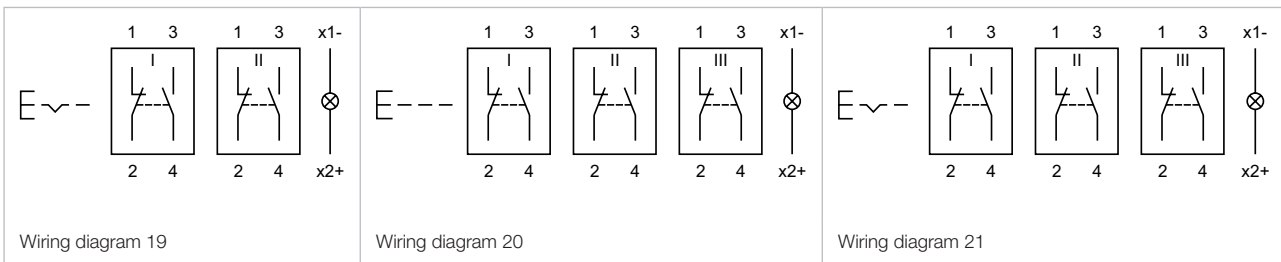
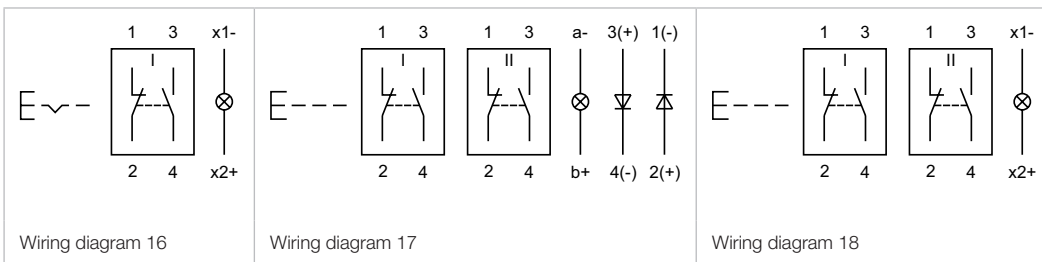
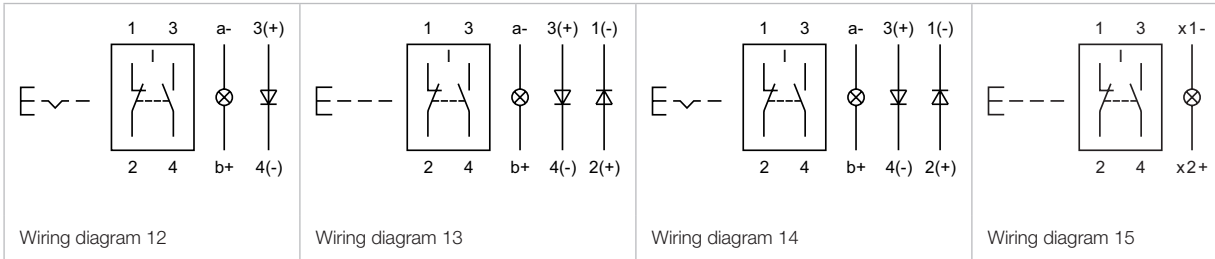
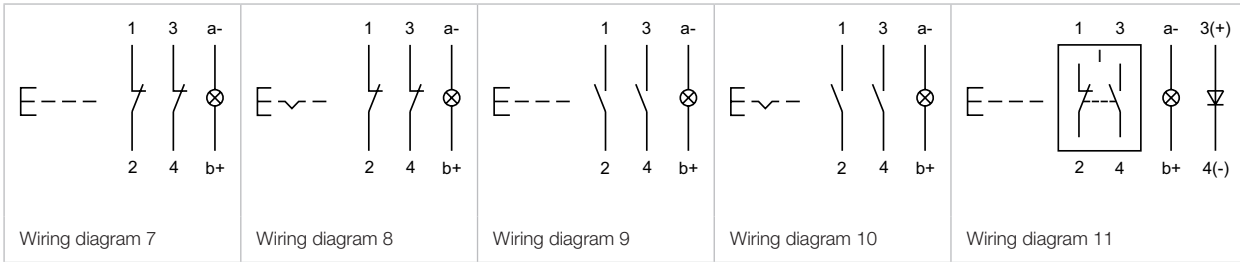
Switching system	Contacts	Switching action	Terminal	Diode 1N4007	Part No.	Component layout	Wiring diagram	Weight
 Illuminated pushbutton actuator, Front dimension Ø 35 mm								
Low-level element	1 NO	Maintained	Universal 2.0 x 0.5 mm	–	14-475.036	1	6	0,015 kg
 Illuminated pushbutton actuator, Front dimension Ø 35 mm								
Low-level element	2 NC	Momentary	Universal 2.0 x 0.5 mm	–	14-432.036	1	7	0,015 kg
		Maintained	Universal 2.0 x 0.5 mm	–	14-472.036	1	8	0,015 kg
	2 NO	Momentary	Universal 2.0 x 0.5 mm	–	14-431.036	1	9	0,015 kg
		Maintained	Universal 2.0 x 0.5 mm	–	14-471.036	1	10	0,015 kg
 Illuminated pushbutton actuator, Front dimension Ø 35 mm								
Snap-action switching element	1 NC + 1 NO	Momentary	Universal-Solder	1	14-743.0292	1	11	0,014 kg
Snap-action switching element	1 NC + 1 NO	Maintained	Universal-Solder	1	14-747.0292	1	12	0,014 kg
 Illuminated pushbutton actuator, Front dimension Ø 35 mm								
Snap-action switching element	1 NC + 1 NO	Momentary	Universal-Solder	2	14-744.0292	1	13	0,014 kg
Snap-action switching element	1 NC + 1 NO	Maintained	Universal-Solder	2	14-748.0292	1	14	0,014 kg
 Illuminated pushbutton actuator, Front dimension Ø 35 mm								
Snap-action switching element	1 NC + 1 NO	Momentary	Solder 2.8 x 0.5 mm	–	14-131.022		24	0,013 kg
 Illuminated pushbutton actuator, Front dimension Ø 35 mm								
Snap-action switching element	1 NC + 1 NO	Momentary	Solder	–	14-131.0252		15	0,013 kg
 Illuminated pushbutton actuator, Front dimension Ø 35 mm								
Snap-action switching element	1 NC + 1 NO	Maintained	Solder 2.8 x 0.5 mm	–	14-271.022		25	0,013 kg

14 Flush design

Switching system	Contacts	Switching action	Terminal	Diode 1N4007	Part No.	Component layout	Wiring diagram	Weight
 Illuminated pushbutton actuator, Front dimension Ø 35 mm								
Snap-action switching element	4 NC + 4 NO	Maintained	Solder	–	14-274.0252		23	0,019 kg
 Illuminated pushbutton actuator, Front dimension Ø 35 mm								
Snap-action switching element	1 NC + 1 NO	Maintained	Solder	–	14-271.0252		16	0,013 kg
 Illuminated pushbutton actuator, Front dimension Ø 35 mm								
Snap-action switching element	2 NC + 2 NO	Momentary	Universal-Solder	2	14-746.0292	1	17	0,016 kg
 Illuminated pushbutton actuator, Front dimension Ø 29 mm								
Snap-action switching element	2 NC + 2 NO	Momentary	Solder	–	14-132.0252		18	0,015 kg
 Illuminated pushbutton actuator, Front dimension Ø 35 mm								
Snap-action switching element	2 NC + 2 NO	Maintained	Solder	–	14-272.0252		19	0,015 kg
 Illuminated pushbutton actuator, Front dimension Ø 35 mm								
Snap-action switching element	3 NC + 3 NO	Momentary	Solder	–	14-133.0252		20	0,017 kg
	3 NC + 3 NO	Maintained	Solder	–	14-273.0252		21	0,017 kg
 Illuminated pushbutton actuator, Front dimension Ø 35 mm								
Snap-action switching element	4 NC + 4 NO	Momentary	Solder	–	14-134.0252		22	0,019 kg

Contacts: NC = Normally closed, NO = Normally open
The component layouts you will find from page 110



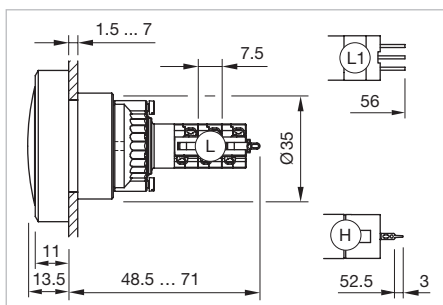


14 Flush design

Mushroom-head pushbutton, IP67



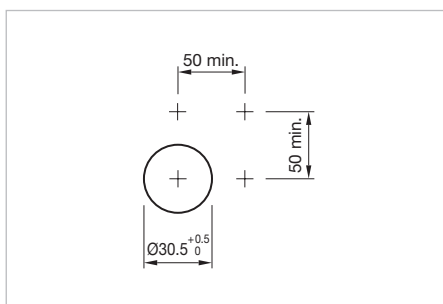
Product can differ from the current configuration.



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

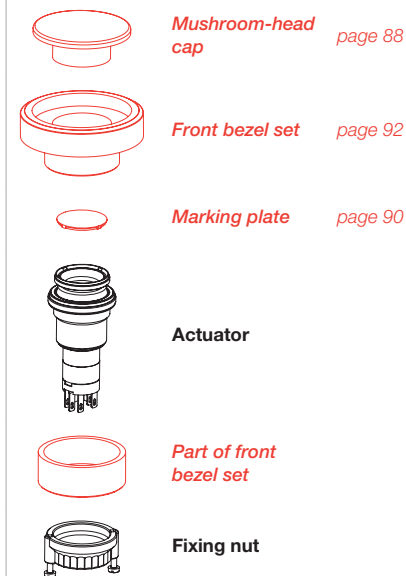
Additional Information

- For front dimension Ø 50 mm
- To obtain IP 67 use marking plate Part No. 704.609.9



Mounting cut-outs [mm]

Equipment consisting of (schematic overview)

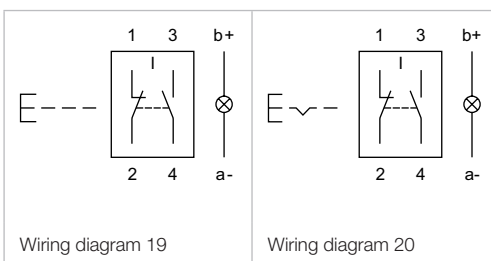
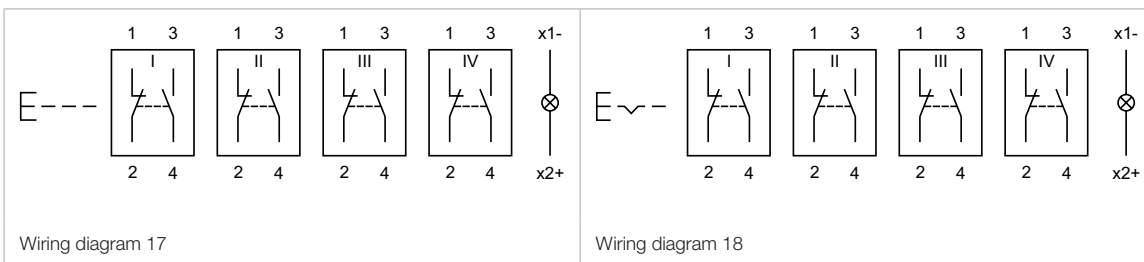
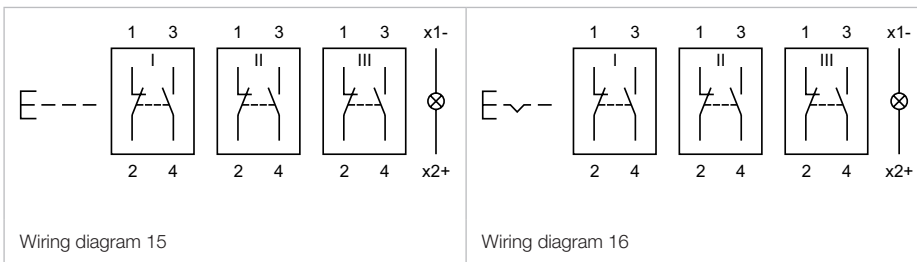
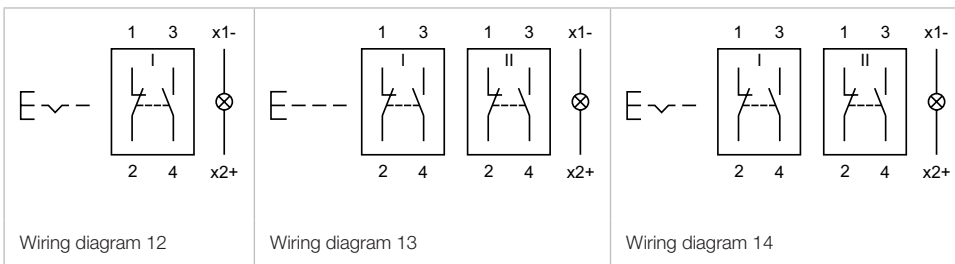
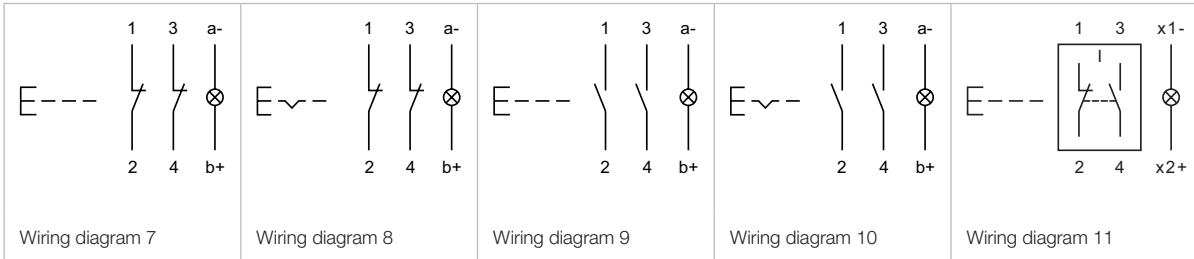
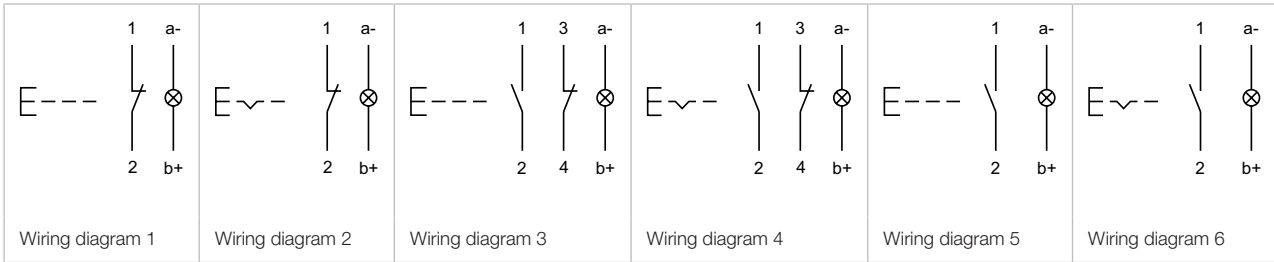


Each Part Number listed below includes all the black components shown in the 3D-drawing.

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

Switching system	Contacts	Switching action	Terminal	Part No.	Component layout	Wiring diagram	Weight
 Mushroom-head pushbutton actuator round, 35 mm							
Low-level element	1 NC	Momentary	Universal 2.0 x 0.5 mm	14-436.036	1	1	0,015 kg
		Maintained	Universal 2.0 x 0.5 mm	14-476.036	1	2	0,015 kg
	1 NC + 1 NO	Momentary	Universal 2.0 x 0.5 mm	14-433.036	1	3	0,015 kg
		Maintained	Universal 2.0 x 0.5 mm	14-473.036	1	4	0,015 kg
	1 NO	Momentary	Universal 2.0 x 0.5 mm	14-435.036	1	5	0,015 kg
		Maintained	Universal 2.0 x 0.5 mm	14-475.036	1	6	0,015 kg
	2 NC	Momentary	Universal 2.0 x 0.5 mm	14-432.036	1	7	0,015 kg
		Maintained	Universal 2.0 x 0.5 mm	14-472.036	1	8	0,015 kg
	2 NO	Momentary	Universal 2.0 x 0.5 mm	14-431.036	1	9	0,015 kg
		Maintained	Universal 2.0 x 0.5 mm	14-471.036	1	10	0,015 kg
Snap-action switching element	1 NC + 1 NO	Momentary	Solder	14-131.0252		11	0,013 kg
		Momentary	Solder 2.8 x 0.5 mm	14-131.022		19	0,013 kg
		Maintained	Solder	14-271.0252		12	0,013 kg
		Momentary	Solder 2.8 x 0.5 mm	14-271.022		20	0,013 kg
	2 NC + 2 NO	Momentary	Solder	14-132.0252		13	0,013 kg
		Maintained	Solder	14-272.0252		14	0,013 kg
	3 NC + 3 NO	Momentary	Solder	14-133.0252		15	0,013 kg
		Momentary	Solder	14-273.0252		16	0,013 kg
Snap-action switching element	3 NC + 3 NO	Maintained	Solder	14-273.0252		16	0,013 kg
	4 NC + 4 NO	Momentary	Solder	14-134.0252		17	0,013 kg
		Maintained	Solder	14-274.0252		18	0,013 kg

Contacts: NC = Normally closed, NO = Normally open
The component layouts you will find from page 110

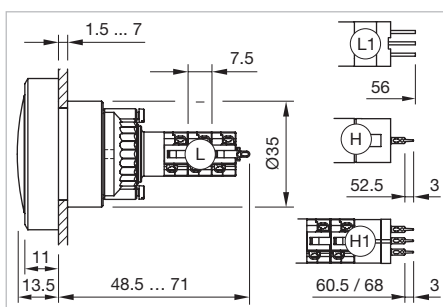


14 Flush design

Illuminated mushroom head pushbutton, IP67



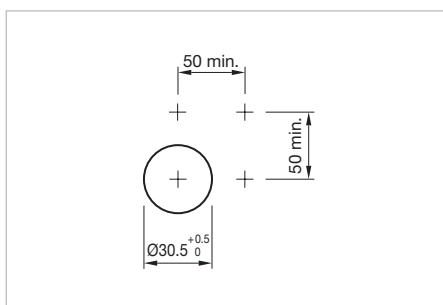
Product can differ from the current configuration.



Dimensions [mm]
 L = Solder terminal,
 L1 = Solder/Plug-in terminal 2.8 x 0.5 mm,
 H = Universal terminal 2.0 x 0.5 mm,
 H1 = Universal-Solder terminal

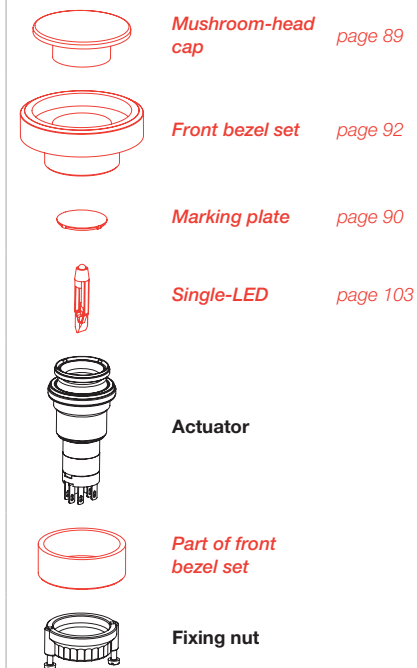
Additional Information

- For front dimension Ø 50 mm
- For LED element fitting information see «Application guidelines, LED polarity»
- To obtain IP 67 use marking plate Part No. 704.609.9



Mounting cut-outs [mm]

Equipment consisting of (schematic overview)



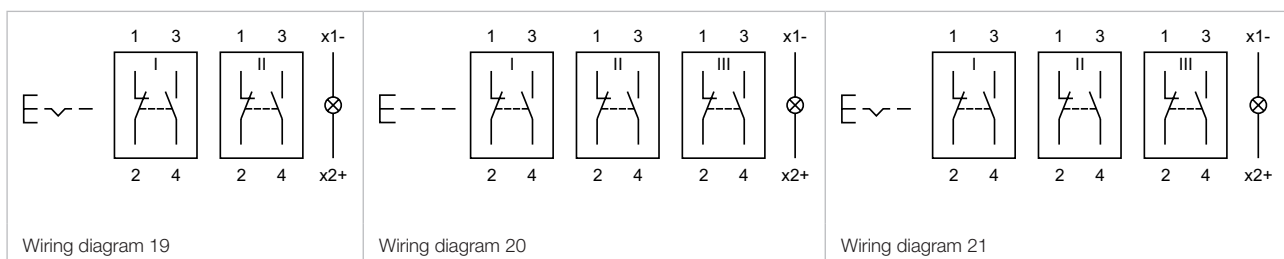
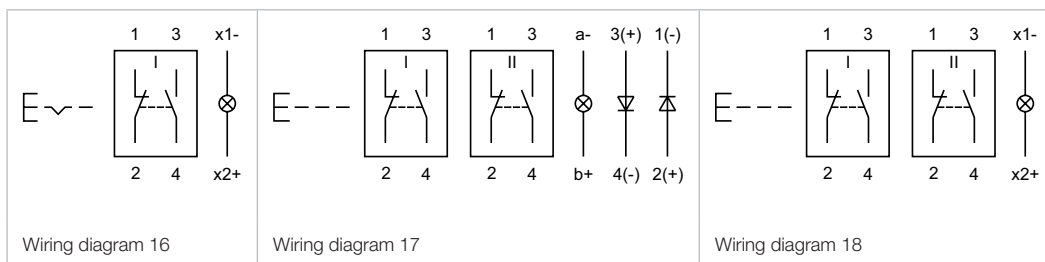
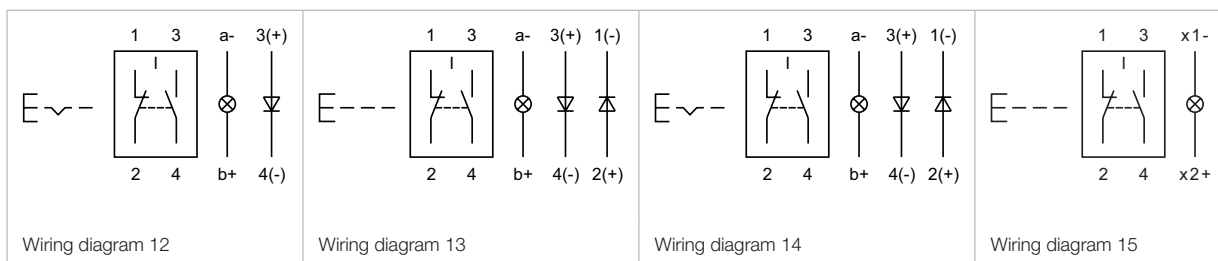
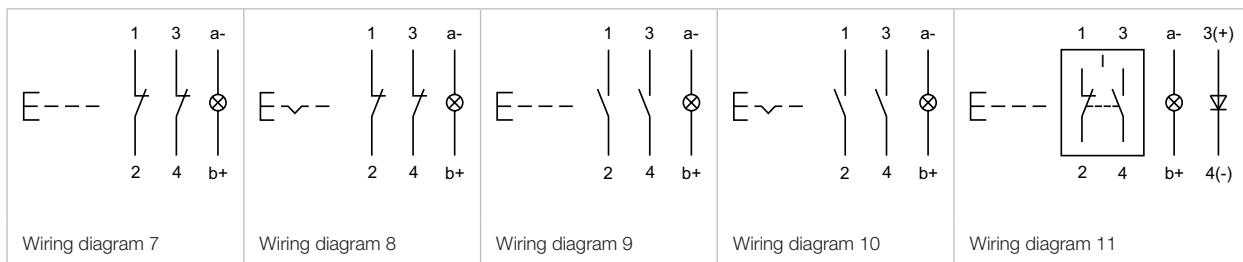
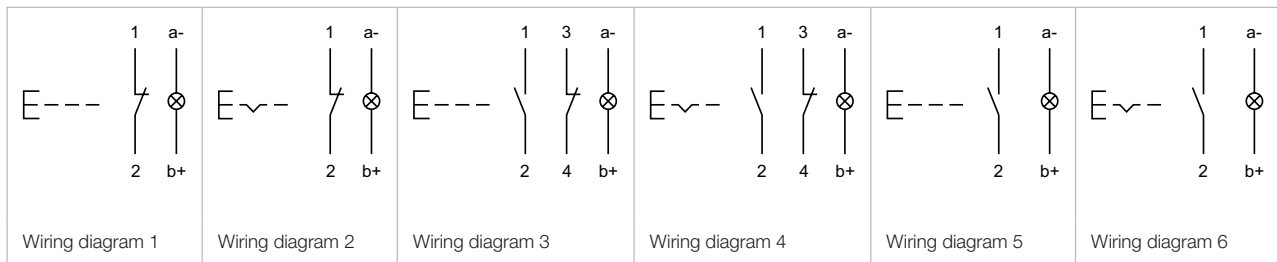
Each Part Number listed below includes all the black components shown in the 3D-drawing.

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

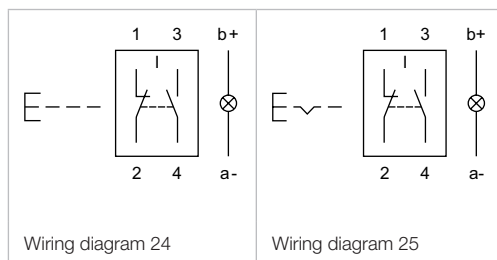
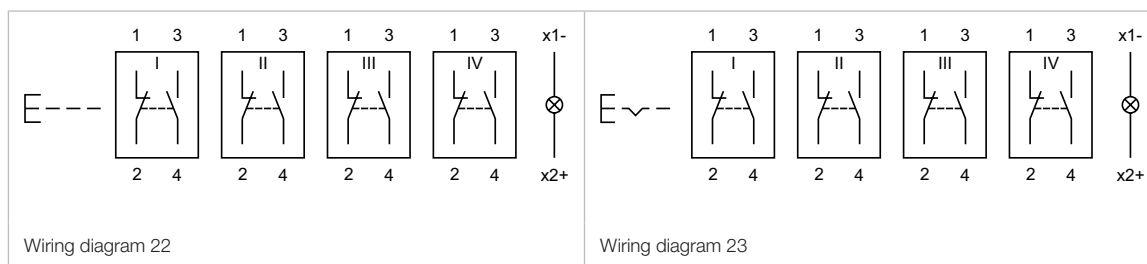
Switching system	Contacts	Switching action	Terminal	Diode 1N4007	Part No.	Component layout	Wiring diagram	Weight
 Mushroom-head pushbutton actuator round, 35 mm								
Low-level element	1 NC	Momentary	Universal 2.0 x 0.5 mm		14-436.036	1	1	0,015 kg
		Maintained	Universal 2.0 x 0.5 mm		14-476.036	1	2	0,015 kg
	1 NC + 1 NO	Momentary	Universal 2.0 x 0.5 mm		14-433.036	1	3	0,015 kg
		Maintained	Universal 2.0 x 0.5 mm		14-473.036	1	4	0,015 kg
	1 NO	Momentary	Universal 2.0 x 0.5 mm		14-435.036	1	5	0,015 kg
		Maintained	Universal 2.0 x 0.5 mm		14-475.036	1	6	0,015 kg
	2 NC	Momentary	Universal 2.0 x 0.5 mm		14-432.036	1	7	0,015 kg
		Maintained	Universal 2.0 x 0.5 mm		14-472.036	1	8	0,015 kg
	2 NO	Momentary	Universal 2.0 x 0.5 mm		14-431.036	1	9	0,015 kg
		Maintained	Universal 2.0 x 0.5 mm		14-471.036	1	10	0,015 kg
Snap-action switching element	1 NC + 1 NO	Momentary	Universal 2.0 x 0.5 mm	1	14-743.0292	1	11	0,014 kg
		Maintained	Universal 2.0 x 0.5 mm	1	14-747.0292	1	12	0,014 kg
		Momentary	Universal 2.0 x 0.5 mm	2	14-744.0292	1	13	0,014 kg
		Maintained	Universal 2.0 x 0.5 mm	2	14-748.0292	1	14	0,014 kg
		Momentary	Solder		14-131.0252		15	0,013 kg
		Momentary	Solder 2.8 x 0.5 mm		14-131.022		24	0,013 kg
		Maintained	Solder		14-271.0252		16	0,013 kg
		Maintained	Solder 2.8 x 0.5 mm		14-271.022		25	0,013 kg

Switching system	Contacts	Switching action	Terminal	Diode 1N4007	Part No.	Component layout	Wiring diagram	Weight
Snap-action switching element	2 NC + 2 NO	Momentary	Universal 2.0 x 0.5 mm	2	14-746.0292	1	17	0,014 kg
		Momentary	Solder		14-132.0252		18	0,013 kg
		Maintained	Solder		14-272.0252		19	0,013 kg
	3 NC + 3 NO	Momentary	Solder		14-133.0252		20	0,013 kg
		Maintained	Solder		14-273.0252		21	0,013 kg
	4 NC + 4 NO	Momentary	Solder		14-134.0252		22	0,013 kg
		Maintained	Solder		14-274.0252		23	0,013 kg

Contacts: NC = Normally closed, NO = Normally open
The component layouts you will find from page 110

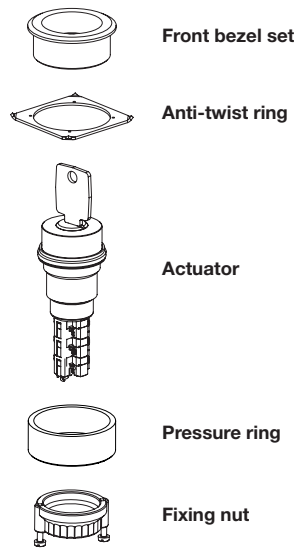


14 Flush design

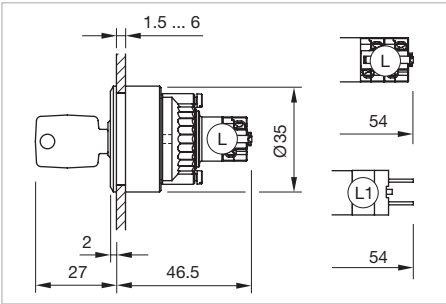


Keylock switch complete, IP65

Equipment consisting of (schematic overview)



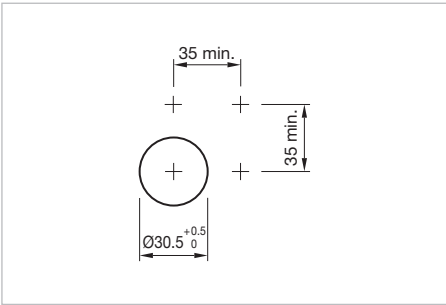
Each Part Number listed below includes all the black components shown in the 3D-drawing.



Dimensions [mm]
L = Solder terminal,
L1 = Solder/Plug-in terminal 2.8 x 0.8 mm



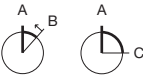
Product can differ from the current configuration.



Mounting cut-outs [mm]

Additional Information

- Lock numbers 1001, lock type KABA
- Two keys are supplied with each keylock switch.
- Optional lock numbers on request



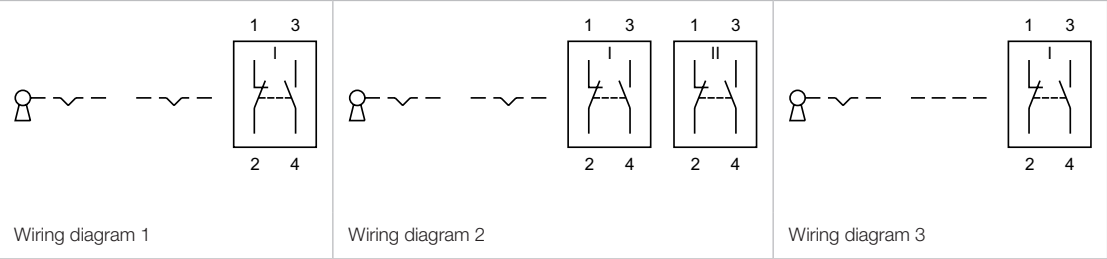
Switching positions (A = Rest, B = Momentary, C = Maintained)

Switching system	Contacts	Switching action	Switching angle	Terminal	Part No.	Wiring diagram	Weight
 Keylock switch, Front dimension Ø 35 mm							
Snap-action switching element	1 NC + 1 NO	Rest(a) - Maintain	90° right	Soldering terminal	K14-235.22200	1	0,044 kg
 Keylock switch, Front dimension Ø 35 mm							
Snap-action switching element	2 NC + 2 NO	Rest(a) - Maintain(a)	90° right	Soldering terminal	K14-136.22200	2	0,044 kg
 Keylock switch, Front dimension Ø 35 mm							
Snap-action switching element	1 NC + 1 NO	Rest(a) - Maintain(a)	90° right	Soldering terminal	K14-135.22200	1	0,044 kg
		Rest(a) - Momentary	42° right	Soldering terminal	K14-141.22100	3	0,044 kg

14 Flush design

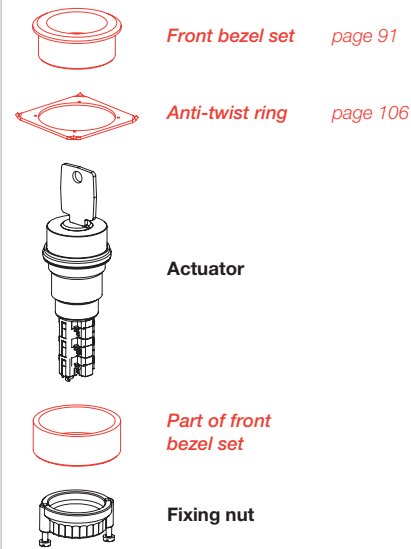
Switching system	Contacts	Switching action	Switching angle	Terminal	Part No.	Wiring diagram	Weight
 Keylock switch, Front dimension Ø 35 mm							
Snap-action switching element	2 NC + 2 NO	Rest(a) - Maintain	90° right	Soldering terminal	K14-236.22200	2	0,044 kg
 Keylock switch, Front dimension Ø 35 mm							
Snap-action switching element	1 NC + 1 NO	Rest(a) - Maintain	90° right	Solder/Plug-in 2.8 x 0.8 mm	K14-235.21200	1	0,044 kg
Snap-action switching element	1 NC + 1 NO	Rest(a) - Maintain(a)	90° right	Solder/Plug-in 2.8 x 0.8 mm	K14-135.21200	1	0,044 kg

Contacts: NC = Normally closed, NO = Normally open



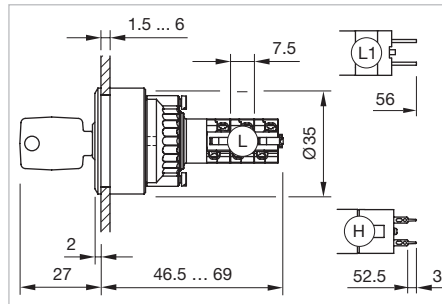
Keylock switch 2 positions, IP65

Equipment consisting of (schematic overview)



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

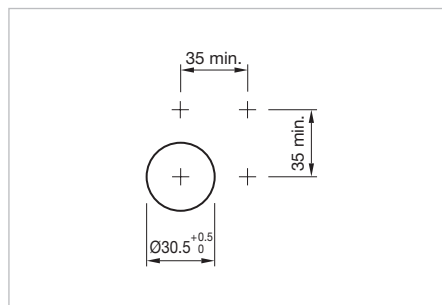
To obtain a complete unit, please select the red components from the pages shown.



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



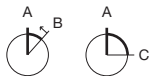
Product can differ from the current configuration.



Mounting cut-outs [mm]

Additional Information

- Front plastic black
- For front dimension Ø 35 mm
- Lock numbers 1001, lock type KABA
- Two keys are supplied with each keylock switch.
- Optional lock numbers on request



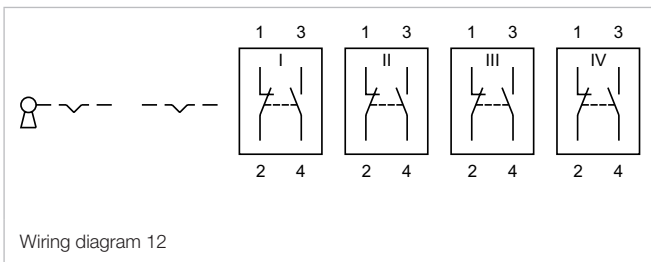
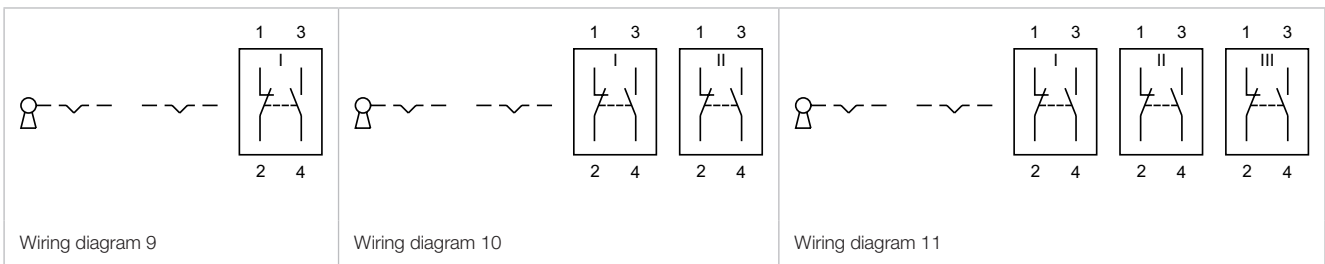
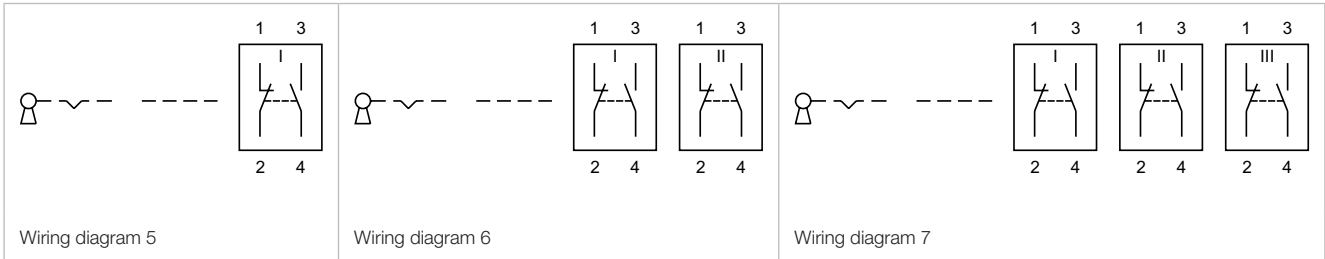
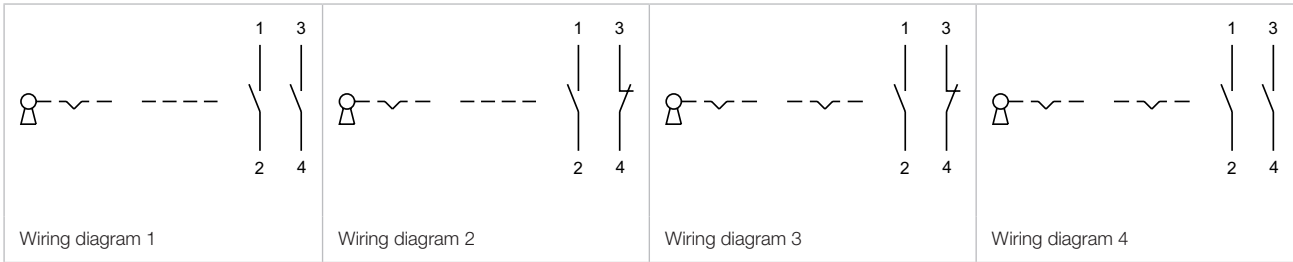
Switching positions (A = Rest, B = Momentary, C = Maintained)

Switching system	Contacts	Switching action	Switching angle	Terminal	Part No.	Compo- nent layout	Wiring dia- gram	Weight
								
Keylock switch actuator 2 positions, Front dimension Ø 35 mm								
Low-level element	2 NO	Rest(a) - Momentary	42° right	Universal 2.0 x 0.5 mm	14-437.036K	1	1	0,030 kg
	1 NC + 1 NO	Rest(a) - Momentary	42° right	Universal 2.0 x 0.5 mm	14-438.036K	1	2	0,030 kg
		Rest(a) - Maintain(a)	90° right	Universal 2.0 x 0.5 mm	14-412.036K	1	3	0,030 kg
		Rest(a) - Maintain	90° right	Universal 2.0 x 0.5 mm	14-415.036K	1	3	0,030 kg
		Rest - Maintain(a)	90° right	Universal 2.0 x 0.5 mm	14-418.036K	1	3	0,030 kg
	2 NO	Rest(a) - Maintain(a)	90° right	Universal 2.0 x 0.5 mm	14-411.036K	1	4	0,030 kg
		Rest(a) - Maintain	90° right	Universal 2.0 x 0.5 mm	14-414.036K	1	4	0,030 kg
		Rest - Maintain(a)	90° right	Universal 2.0 x 0.5 mm	14-417.036K	1	4	0,030 kg
								
Keylock switch actuator 2 positions, Front dimension Ø 35 mm								
Snap-action switching element	1 NC + 1 NO	Rest(a) - Momentary	42° right	Solder 2.8 x 0.5 mm	14-141.022K		5	0,029 kg
								
Keylock switch actuator 2 positions, Front dimension Ø 35 mm								
Snap-action switching element	1 NC + 1 NO	Rest(a) - Momentary	42° right	Solder	14-141.025K2		5	0,029 kg

14 Flush design

Switching system	Contacts	Switching action	Switching angle	Terminal	Part No.	Component layout	Wiring diagram	Weight
								
Keylock switch actuator 2 positions, Front dimension Ø 35 mm								
Snap-action switching element	2 NC + 2 NO	Rest(a) - Momentary	42° right	Solder	14-142.025K2		6	0,031 kg
								
Keylock switch actuator 2 positions, Front dimension Ø 35 mm								
Snap-action switching element	3 NC + 3 NO	Rest(a) - Momentary	42° right	Solder	14-143.025K2		7	0,033 kg
								
Keylock switch actuator 2 positions, Front dimension Ø 35 mm								
Snap-action switching element	1 NC + 1 NO	Rest(a) - Maintain(a)	90° right	Solder	14-135.025K2		9	0,029 kg
		Rest(a) - Maintain	90° right	Solder	14-235.025K2		9	0,029 kg
		Rest - Maintain(a)	90° right	Solder	14-335.025K2		9	0,029 kg
								
Keylock switch actuator 2 positions, Front dimension Ø 35 mm								
Snap-action switching element	1 NC + 1 NO	Rest(a) - Maintain(a)	90° right	Solder 2.8 x 0.5 mm	14-135.022K		9	0,029 kg
		Rest(a) - Maintain	90° right	Solder 2.8 x 0.5 mm	14-235.022K		9	0,029 kg
		Rest - Maintain(a)	90° right	Solder 2.8 x 0.5 mm	14-335.022K		9	0,029 kg
								
Keylock switch actuator 2 positions, Front dimension Ø 35 mm								
Snap-action switching element	2 NC + 2 NO	Rest(a) - Maintain(a)	90° right	Solder	14-136.025K2		10	0,031 kg
		Rest(a) - Maintain	90° right	Solder	14-236.025K2		10	0,031 kg
		Rest - Maintain(a)	90° right	Solder	14-336.025K2		10	0,031 kg
								
Keylock switch actuator 2 positions, Front dimension Ø 35 mm								
Snap-action switching element	3 NC + 3 NO	Rest(a) - Maintain(a)	90° right	Solder	14-137.025K2		11	0,033 kg
		Rest(a) - Maintain	90° right	Solder	14-237.025K2		11	0,033 kg
		Rest - Maintain(a)	90° right	Solder	14-337.025K2		11	0,033 kg
								
Keylock switch actuator 2 positions, Front dimension Ø 35 mm								
Snap-action switching element	4 NC + 4 NO	Rest(a) - Maintain(a)	90° right	Solder	14-138.025K2		12	0,035 kg
		Rest(a) - Maintain	90° right	Solder	14-238.025K2		12	0,035 kg
		Rest - Maintain(a)	90° right	Solder	14-338.025K2		12	0,035 kg

Contacts: NC = Normally closed, NO = Normally open
The component layouts you will find from page 110

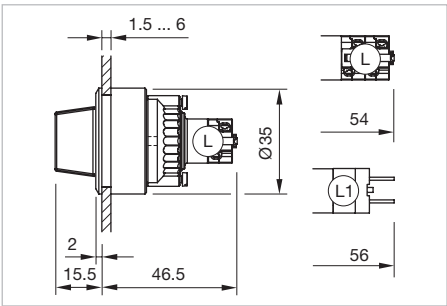


14 Flush design

Selector switch 2 positions complete, IP67

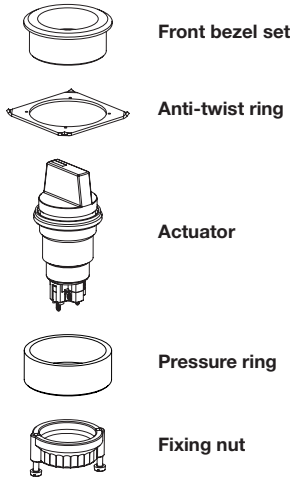


Product can differ from the current configuration.



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

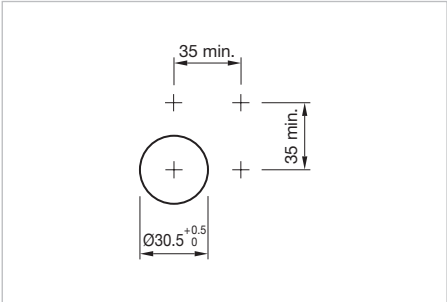
Equipment consisting of (schematic overview)



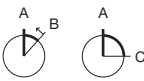
Each Part Number listed below includes all the black components shown in the 3D-drawing.

Additional Information

- For front dimension Ø 35 mm
- non-illuminative



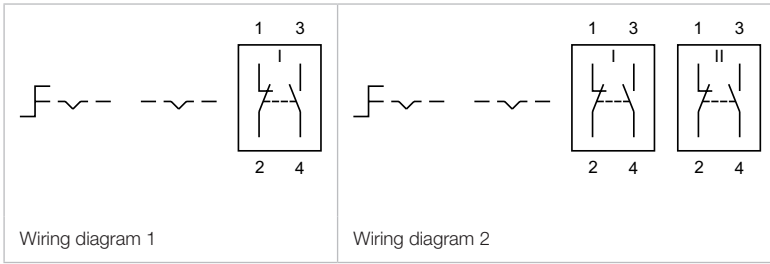
Mounting cut-outs [mm]



Switching positions (A = Rest, B = Momentary, C = Maintained)

Lever	Switching system	Contacts	Switching action	Switching angle	Terminal	Part No.	Wiring diagram	Weight
	Selector switch actuator 2 positions, Front dimension Ø 35 mm							
Plastic black short	Snap-action switching element	1 NC + 1 NO	Rest - Maintain	90° right	Solder/Plug-in 2.8 x 0.8 mm	K14-506.21200	1	0,039 kg
	Selector switch actuator 2 positions, Front dimension Ø 35 mm							
Plastic black short	Snap-action switching element	1 NC + 1 NO	Rest - Maintain	90° right	Soldering terminal	K14-506.22200	1	0,039 kg
	Selector switch actuator 2 positions, Front dimension Ø 35 mm							
Plastic black short	Snap-action switching element	2 NC + 2 NO	Rest - Maintain	90° right	Soldering terminal	K14-507.22200	2	0,041 kg

Contacts: NC = Normally closed, NO = Normally open

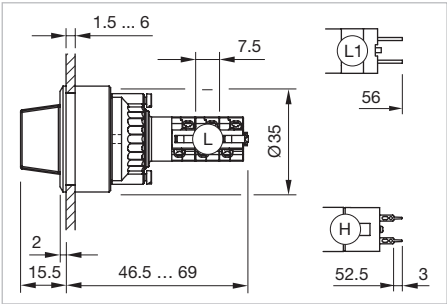


14 Flush design

Selector switch 2 positions, IP67

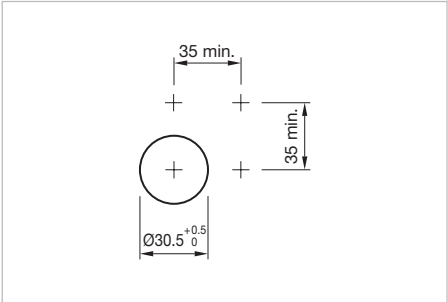


Product can differ from the current configuration.

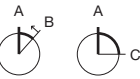


Dimensions [mm]
L = Solder terminal,
L1 = Solder/Plug-in terminal 2.8 x 0.5 mm,
H = Universal terminal 2.0 x 0.5 mm

- Additional Information**
- For front dimension Ø 35 mm
 - non-illuminative

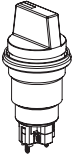


Mounting cut-outs [mm]



Switching positions (A = Rest, B = Momentary, C = Maintained)

Equipment consisting of (schematic overview)

-  **Front bezel set** *page 91*
-  **Anti-twist ring** *page 106*
-  **Actuator**
-  **Part of front bezel set**
-  **Fixing nut**

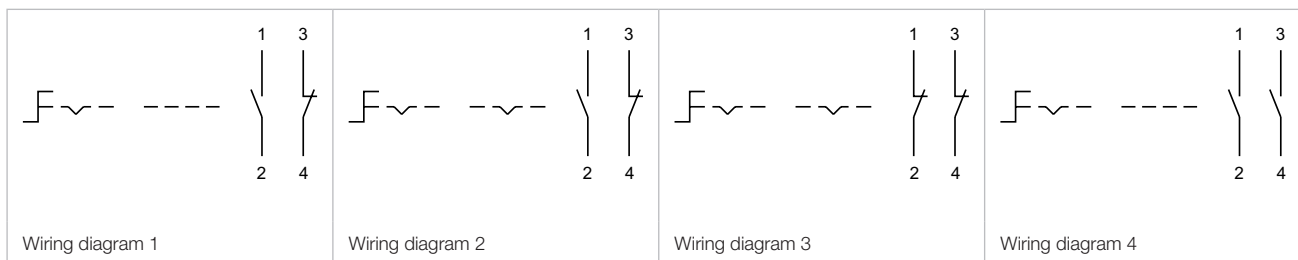
Each Part Number listed below includes all the black components shown in the 3D-drawing.

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

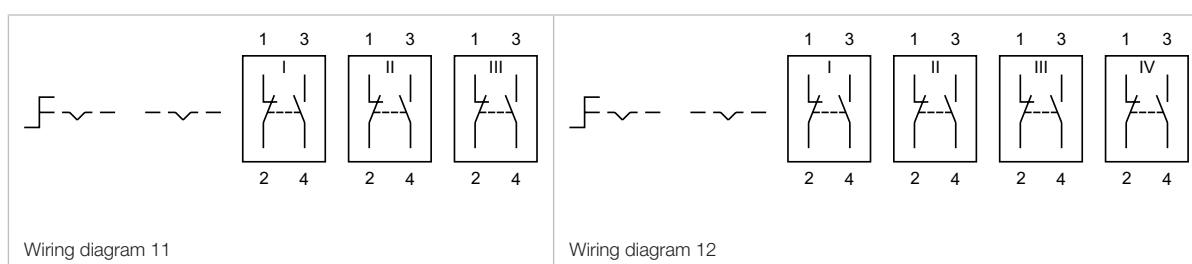
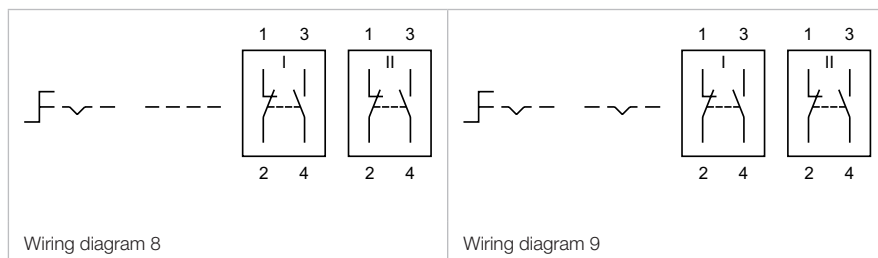
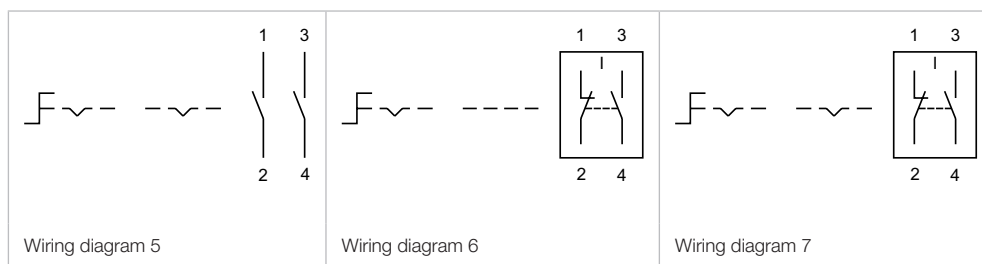
Lever	Switching system	Contacts	Switching action	Switching angle	Terminal	Part No.	Component layout	Wiring diagram	Weight
 Selector switch actuator 2 positions, Front dimension Ø 35 mm									
Plastic black short	Low-level element	1 NC + 1 NO	Rest - Momentary	42° right	Universal 2.0 x 0.5 mm	14-517.0360	1	1	0,025 kg
Plastic black short	Low-level element	1 NC + 1 NO	Rest - Maintain	90° right	Universal 2.0 x 0.5 mm	14-522.0360	1	2	0,025 kg
Plastic black short	Low-level element	2 NC	Rest - Maintain	90° right	Universal 2.0 x 0.5 mm	14-521.0360	1	3	0,025 kg
Plastic black short	Low-level element	2 NO	Rest - Momentary	42° right	Universal 2.0 x 0.5 mm	14-515.0360	1	4	0,025 kg
Plastic black short	Low-level element	2 NO	Rest - Maintain	90° right	Universal 2.0 x 0.5 mm	14-520.0360	1	5	0,025 kg
 Selector switch actuator 2 positions, Front dimension Ø 35 mm									
Plastic black short	Snap-action switching element	1 NC + 1 NO	Rest - Momentary	42° right	Solder 2.8 x 0.5 mm	14-501.0220		6	0,024 kg

Lever	Switching system	Contacts	Switching action	Switching angle	Terminal	Part No.	Component layout	Wiring diagram	Weight
 Selector switch actuator 2 positions, Front dimension Ø 35 mm									
Plastic black short	Snap-action switching element	1 NC + 1 NO	Rest - Momentary	42° right	Solder	14-501.02502		6	0,024 kg
 Selector switch actuator 2 positions, Front dimension Ø 35 mm									
Plastic black short	Snap-action switching element	1 NC + 1 NO	Rest - Maintain	90° right	Solder 2.8 x 0.5 mm	14-506.0220		7	0,024 kg
 Selector switch actuator 2 positions, Front dimension Ø 35 mm									
Plastic black short	Snap-action switching element	1 NC + 1 NO	Rest - Maintain	90° right	Solder	14-506.02502		7	0,024 kg
 Selector switch actuator 2 positions, Front dimension Ø 35 mm									
Plastic black short	Snap-action switching element	2 NC + 2 NO	Rest - Momentary	42° right	Solder	14-502.02502		8	0,026 kg
Plastic black short	Snap-action switching element	2 NC + 2 NO	Rest - Maintain	90° right	Solder	14-507.02502		9	0,026 kg
 Selector switch actuator 2 positions, Front dimension Ø 35 mm									
Plastic black short	Snap-action switching element	3 NC + 3 NO	Rest - Maintain	90° right	Solder	14-508.02502		11	0,028 kg
 Selector switch actuator 2 positions, Front dimension Ø 35 mm									
Plastic black short	Snap-action switching element	4 NC + 4 NO	Rest - Maintain	90° right	Solder	14-509.02502		12	0,030 kg

Contacts: NC = Normally closed, NO = Normally open
The component layouts you will find from page 110

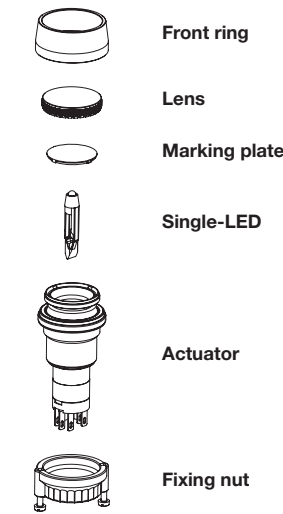


14 Flush design

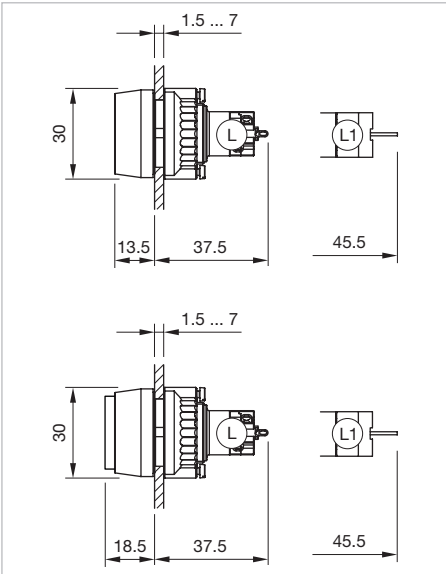


Indicator complete, IP67

Equipment consisting of (schematic overview)



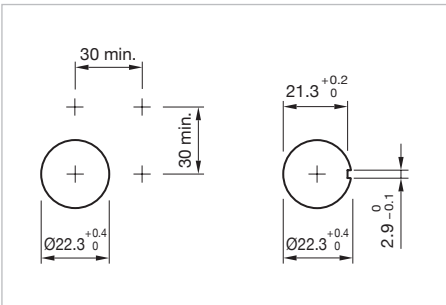
Each Part Number listed below includes all the black components shown in the 3D-drawing.



Dimensions [mm]
L = Solder terminal,
L1 = Solder/Plug-in terminal 2.8 x 0.8 mm



Product can differ from the current configuration.



Mounting cut-outs [mm]

LED colour	Operating voltage	Lens profile	Lens colour	Terminal	Part No.	Wiring diagram	Weight
 Indicator, Front dimension Ø 29 mm							
red	24 VAC/DC	flush	red	Solder/Plug-in 2.8 x 0.8 mm	K14-040.110101	1	0.021 kg
 Indicator, Front dimension Ø 29 mm							
red	24 VAC/DC	raised	red	Solder/Plug-in 2.8 x 0.8 mm	K14-040.110051	1	0.021 kg
 Indicator, Front dimension Ø 29 mm							
yellow	24 VAC/DC	flush	yellow	Solder/Plug-in 2.8 x 0.8 mm	K14-040.110071	1	0.021 kg

14 Raised design

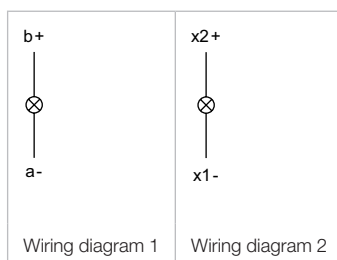
LED colour	Operating voltage	Lens profile	Lens colour	Terminal	Part No.	Wiring diagram	Weight
 Indicator, Front dimension Ø 29 mm							
yellow	24 VAC/DC	raised	yellow	Solder/Plug-in 2.8 x 0.8 mm	K14-040.110021	1	0.021 kg
 Indicator, Front dimension Ø 29 mm							
green	24 VAC/DC	flush	green	Solder/Plug-in 2.8 x 0.8 mm	K14-040.110081	1	0.021 kg
 Indicator, Front dimension Ø 29 mm							
green	24 VAC/DC	raised	green	Solder/Plug-in 2.8 x 0.8 mm	K14-040.110031	1	0.021 kg
 Indicator, Front dimension Ø 29 mm							
blue	24 VAC/DC	flush	blue	Solder/Plug-in 2.8 x 0.8 mm	K14-040.110061	1	0.021 kg
 Indicator, Front dimension Ø 29 mm							
blue	24 VAC/DC	raised	blue	Solder/Plug-in 2.8 x 0.8 mm	K14-040.110011	1	0.021 kg
 Indicator, Front dimension Ø 29 mm							
clear	24 VAC/DC	flush	clear	Solder/Plug-in 2.8 x 0.8 mm	K14-040.110091	1	0.021 kg
 Indicator, Front dimension Ø 29 mm							
clear	24 VAC/DC	raised	clear	Solder/Plug-in 2.8 x 0.8 mm	K14-040.110041	1	0.021 kg
 Indicator, Front dimension Ø 29 mm							
red	28 VAC/DC	flush	red	Solder/Plug-in 2.8 x 0.8 mm	K14-040.110102	1	0.021 kg
 Indicator, Front dimension Ø 29 mm							
red	28 VAC/DC	raised	red	Solder/Plug-in 2.8 x 0.8 mm	K14-040.110052	1	0.021 kg

LED colour	Operating voltage	Lens profile	Lens colour	Terminal	Part No.	Wiring diagram	Weight
 Indicator, Front dimension Ø 29 mm							
yellow	28 VAC/DC	flush	yellow	Solder/Plug-in 2.8 x 0.8 mm	K14-040.110072	1	0.021 kg
 Indicator, Front dimension Ø 29 mm							
yellow	28 VAC/DC	raised	yellow	Solder/Plug-in 2.8 x 0.8 mm	K14-040.110022	1	0.021 kg
 Indicator, Front dimension Ø 29 mm							
green	28 VAC/DC	flush	green	Solder/Plug-in 2.8 x 0.8 mm	K14-040.110082	1	0.021 kg
 Indicator, Front dimension Ø 29 mm							
green	28 VAC/DC	raised	green	Solder/Plug-in 2.8 x 0.8 mm	K14-040.110032	1	0.021 kg
 Indicator, Front dimension Ø 29 mm							
blue	28 VAC/DC	flush	blue	Solder/Plug-in 2.8 x 0.8 mm	K14-040.110062	1	0.021 kg
 Indicator, Front dimension Ø 29 mm							
blue	28 VAC/DC	raised	blue	Solder/Plug-in 2.8 x 0.8 mm	K14-040.110012	1	0.021 kg
 Indicator, Front dimension Ø 29 mm							
clear	28 VAC/DC	flush	clear	Solder/Plug-in 2.8 x 0.8 mm	K14-040.110092	1	0.021 kg
 Indicator, Front dimension Ø 29 mm							
clear	28 VAC/DC	raised	clear	Solder/Plug-in 2.8 x 0.8 mm	K14-040.110042	1	0.021 kg
 Indicator, Front dimension Ø 29 mm							
red	24 VAC/DC	flush	red	Soldering terminal	K14-040.120101	2	0.021 kg

14 Raised design

LED colour	Operating voltage	Lens profile	Lens colour	Terminal	Part No.	Wiring diagram	Weight
 Indicator, Front dimension Ø 29 mm							
red	24 VAC/DC	raised	red	Soldering terminal	K14-040.120051	2	0.021 kg
 Indicator, Front dimension Ø 29 mm							
yellow	24 VAC/DC	flush	yellow	Soldering terminal	K14-040.120071	2	0.021 kg
 Indicator, Front dimension Ø 29 mm							
yellow	24 VAC/DC	raised	yellow	Soldering terminal	K14-040.120021	2	0.021 kg
 Indicator, Front dimension Ø 29 mm							
green	24 VAC/DC	flush	green	Soldering terminal	K14-040.120081	2	0.021 kg
 Indicator, Front dimension Ø 29 mm							
green	24 VAC/DC	raised	green	Soldering terminal	K14-040.120031	2	0.021 kg
 Indicator, Front dimension Ø 29 mm							
blue	24 VAC/DC	flush	blue	Soldering terminal	K14-040.120061	2	0.021 kg
 Indicator, Front dimension Ø 29 mm							
blue	24 VAC/DC	raised	blue	Soldering terminal	K14-040.120011	2	0.021 kg
 Indicator, Front dimension Ø 29 mm							
clear	24 VAC/DC	flush	clear	Soldering terminal	K14-040.120091	2	0.021 kg
 Indicator, Front dimension Ø 29 mm							
clear	24 VAC/DC	raised	clear	Soldering terminal	K14-040.120041	2	0.021 kg
 Indicator, Front dimension Ø 29 mm							
red	28 VAC/DC	flush	red	Soldering terminal	K14-040.120102	2	0.021 kg

LED colour	Operating voltage	Lens profile	Lens colour	Terminal	Part No.	Wiring diagram	Weight
 Indicator, Front dimension Ø 29 mm							
red	28 VAC/DC	raised	red	Soldering terminal	K14-040.120052	2	0.021 kg
 Indicator, Front dimension Ø 29 mm							
yellow	28 VAC/DC	flush	yellow	Soldering terminal	K14-040.120072	2	0.021 kg
 Indicator, Front dimension Ø 29 mm							
yellow	28 VAC/DC	raised	yellow	Soldering terminal	K14-040.120022	2	0.021 kg
 Indicator, Front dimension Ø 29 mm							
green	28 VAC/DC	flush	green	Soldering terminal	K14-040.120082	2	0.021 kg
 Indicator, Front dimension Ø 29 mm							
green	28 VAC/DC	raised	green	Soldering terminal	K14-040.120032	2	0.021 kg
 Indicator, Front dimension Ø 29 mm							
blue	28 VAC/DC	flush	blue	Soldering terminal	K14-040.120062	2	0.021 kg
 Indicator, Front dimension Ø 29 mm							
blue	28 VAC/DC	raised	blue	Soldering terminal	K14-040.120012	2	0.021 kg
 Indicator, Front dimension Ø 29 mm							
clear	28 VAC/DC	flush	clear	Soldering terminal	K14-040.120092	2	0.021 kg
 Indicator, Front dimension Ø 29 mm							
clear	28 VAC/DC	raised	clear	Soldering terminal	K14-040.120042	2	0.021 kg

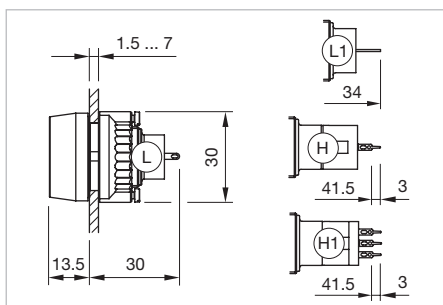


14 Raised design

Indicator full face illumination, IP67



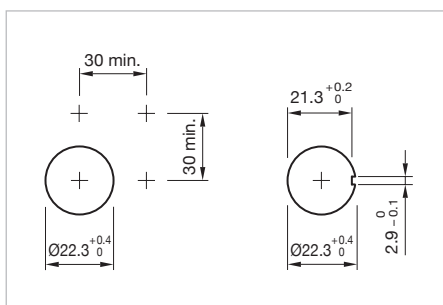
Product can differ from the current configuration.



Dimensions [mm]
L = Solder terminal,
L1 = Solder/Plug-in terminal 2.8 x 0.5 mm,
H = Universal terminal 2.0 x 0.5 mm,
H1 = Universal-Solder terminal

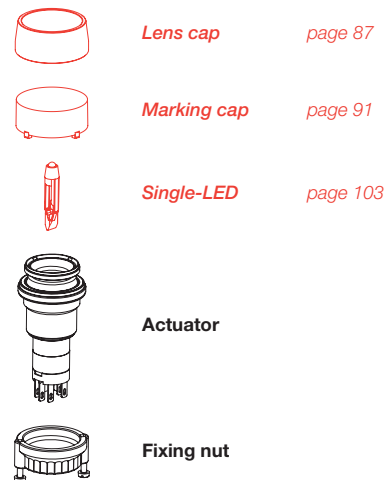
Additional Information

- For front dimension Ø 29 mm
- For LED element fitting information see «Application guidelines, LED polarity»



Mounting cut-outs [mm]

Equipment consisting of (schematic overview)

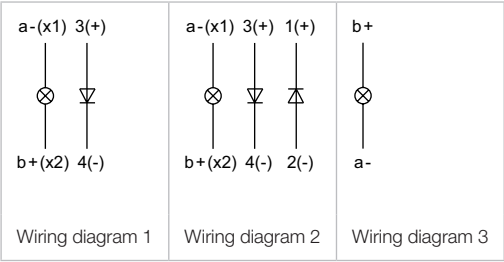


Each Part Number listed below includes all the black components shown in the 3D-drawing.

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

Diode 1N4007	Terminal	Part No.	Component layout	Wiring diagram	Weight
	Indicator actuator full-face illumination				
1	Universal 2.0 x 0.5 mm	14-741.006	1	1	0,011 kg
	Indicator actuator full-face illumination				
2	Universal 2.0 x 0.5 mm	14-742.006	1	2	0,011 kg
	Indicator actuator full-face illumination				
	Solder 2.8 x 0.5 mm	14-030.002		3	0,010 kg
	Indicator actuator full-face illumination				
	Solder	14-030.005		3	0,010 kg
	Indicator actuator full-face illumination				
	Universal 2.0 x 0.5 mm	14-031.006	1	3	0,011 kg

The component layouts you will find from page 110

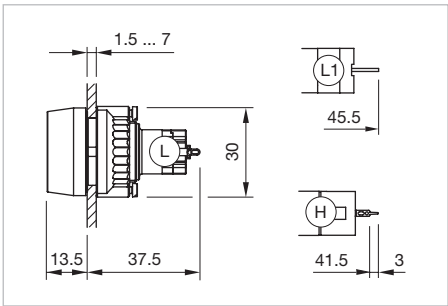


14 Raised design

Indicator front illumination, IP67



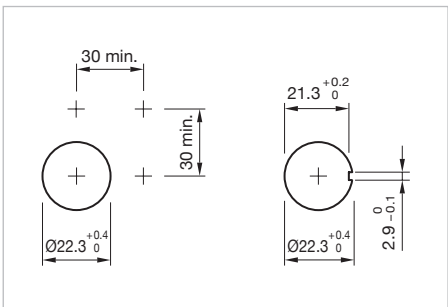
Product can differ from the current configuration.



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

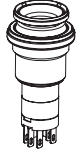
Additional Information

- For front dimension Ø 29 mm
- For LED element fitting information see «Application guidelines, LED polarity»



Mounting cut-outs [mm]

Equipment consisting of (schematic overview)

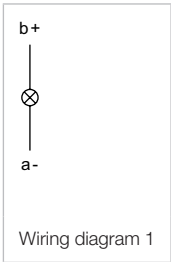
	Front ring	page 94
	Lens	page 83
	Marking plate	page 90
	Single-LED	page 103
	Actuator	
	Fixing nut	

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.

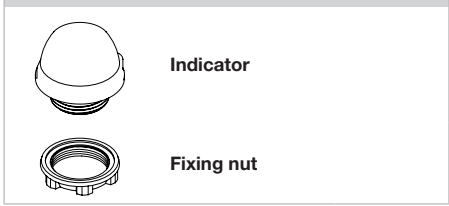
Terminal	Part No.	Compo- nent layout	Wiring dia- gram	Weight
 Indicator actuator front illumination Solder 2.8 x 0.5 mm	14-040.002		1	0,050 kg
 Indicator actuator front illumination Solder	14-040.005		1	0,050 kg
 Indicator actuator front illumination Universal 2.0 x 0.5 mm	14-041.006	1	1	0,050 kg

The component layouts you will find from page 110

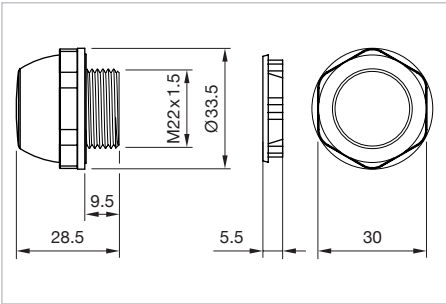


Indicator compact, IP65, IP67, IP69K

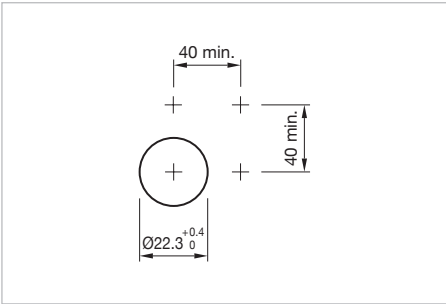
Equipment consisting of (schematic overview)



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

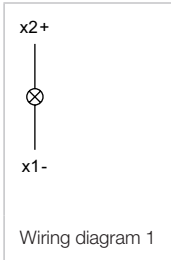


Dimensions [mm]



Mounting cut-outs [mm]

Operating voltage	Operation current	Illumination	Terminal	Part No.	Wiring diagram	Weight
 Indicator compact, Front dimension Ø 33.5 mm						
24 VAC/DC	50 mA	red	Push-in Terminal	14-060.207	1	0.012 kg
24 VAC/DC	50 mA	orange	Push-in Terminal	14-060.307	1	0.012 kg
24 VAC/DC	50 mA	green	Push-in Terminal	14-060.507	1	0.012 kg
24 VAC/DC	50 mA	blue	Push-in Terminal	14-060.607	1	0.012 kg
24 VAC/DC	50 mA	white	Push-in Terminal	14-060.907	1	0.012 kg

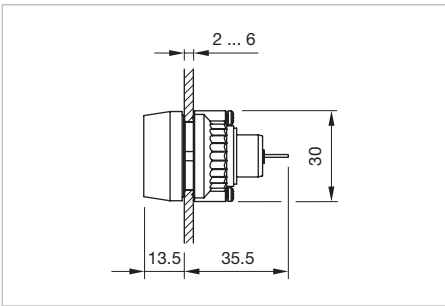


14 Raised design

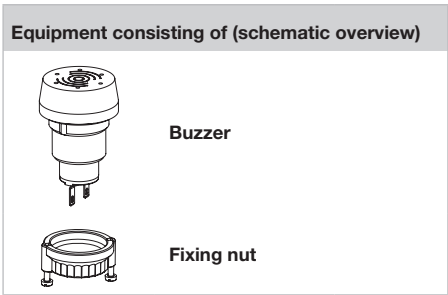
Buzzer, IP65



Product can differ from the current configuration.

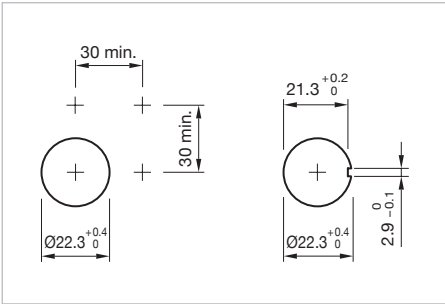


Dimensions [mm]



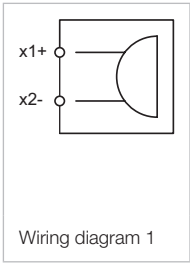
Each Part Number listed below includes all the black components shown in the 3D-drawing.

- Additional Information**
- For PCB application use adaptor Part-No. 31-942
 - Further information see «Technical data»



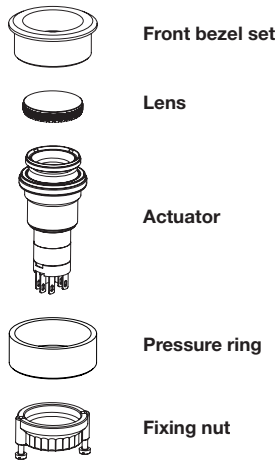
Mounting cut-outs [mm]

Operating voltage	Front cap	Terminal	Part No.	Wiring diagram	Weight
 Buzzer, Front dimension Ø 29 mm					
24 VDC	Plastic black	Solder 2.8 x 0.5 mm	14-810.002	1	0,016 kg
 Buzzer, Front dimension Ø 29 mm					
24 VDC	Brass nickel-plated	Solder 2.8 x 0.5 mm	14-810.902	1	0,016 kg

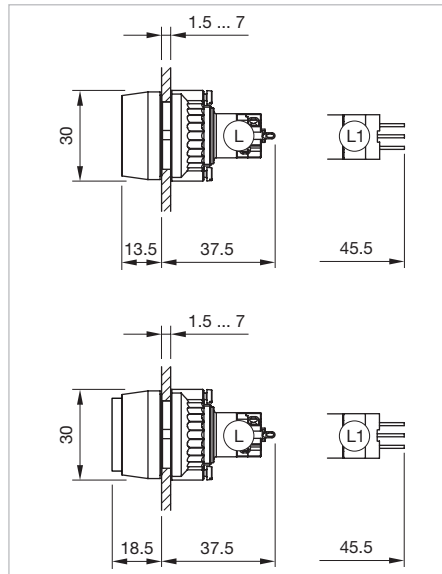


Pushbutton complete, IP67

Equipment consisting of (schematic overview)



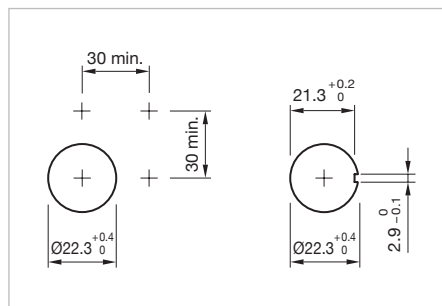
Each Part Number listed below includes all the black components shown in the 3D-drawing.



Dimensions [mm]
 L = Solder terminal,
 L1 = Solder/Plug-in terminal 2.8 x 0.8 mm



Product can differ from the current configuration.



Mounting cut-outs [mm]

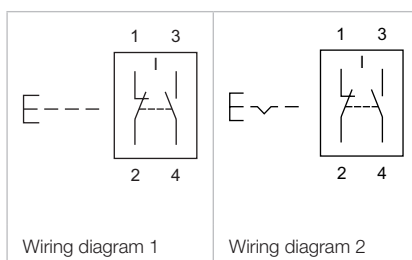
Lens profile	Lens colour	Contacts	Switching action	Terminal	Part No.	Wiring diagram	Weight
 Pushbutton, Front dimension Ø 29 mm							
flush	red anodized	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.111110	1	0.019 kg
 Pushbutton, Front dimension Ø 29 mm							
flush	black anodized	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.111120	1	0.019 kg
 Pushbutton, Front dimension Ø 29 mm							
flush	natural anodized	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.111130	1	0.019 kg

14 Raised design

Lens profile	Lens colour	Contacts	Switching action	Terminal	Part No.	Wiring diagram	Weight
 Pushbutton, Front dimension Ø 29 mm							
flush	green anodized	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.111140	1	0.019 kg
 Pushbutton, Front dimension Ø 29 mm							
flush	blue anodized	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.111150	1	0.019 kg
 Pushbutton, Front dimension Ø 29 mm							
flush	red anodized	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.112110	2	0.019 kg
 Pushbutton, Front dimension Ø 29 mm							
flush	black anodized	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.112120	2	0.019 kg
 Pushbutton, Front dimension Ø 29 mm							
flush	natural anodized	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.112130	2	0.019 kg
 Pushbutton, Front dimension Ø 29 mm							
flush	green anodized	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.112140	2	0.019 kg
 Pushbutton, Front dimension Ø 29 mm							
flush	blue anodized	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.112150	2	0.019 kg
 Pushbutton, Front dimension Ø 29 mm							
flush	red anodized	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.121110	1	0.019 kg
 Pushbutton, Front dimension Ø 29 mm							
flush	black anodized	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.121120	1	0.019 kg

Lens profile	Lens colour	Contacts	Switching action	Terminal	Part No.	Wiring diagram	Weight
 Pushbutton, Front dimension Ø 29 mm							
flush	natural anodized	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.121130	1	0.019 kg
 Pushbutton, Front dimension Ø 29 mm							
flush	green anodized	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.121140	1	0.019 kg
 Pushbutton, Front dimension Ø 29 mm							
flush	blue anodized	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.121150	1	0.019 kg
 Pushbutton, Front dimension Ø 29 mm							
flush	red anodized	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.122110	2	0.019 kg
 Pushbutton, Front dimension Ø 29 mm							
flush	black anodized	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.122120	2	0.019 kg
 Pushbutton, Front dimension Ø 29 mm							
flush	natural anodized	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.122130	2	0.019 kg
 Pushbutton, Front dimension Ø 29 mm							
flush	green anodized	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.122140	2	0.019 kg
 Pushbutton, Front dimension Ø 29 mm							
flush	blue anodized	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.122150	2	0.019 kg

Contacts: NC = Normally closed, NO = Normally open

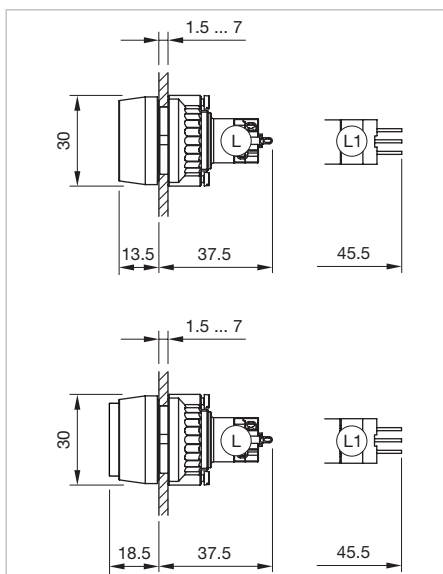


14 Raised design

Illuminated pushbutton complete, IP67

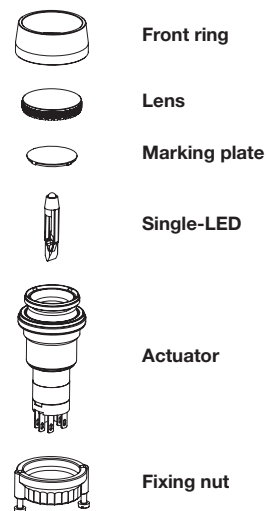


Product can differ from the current configuration.



Dimensions [mm]
L = Solder terminal,
L1 = Solder/Plug-in terminal 2.8 x 0.5 mm

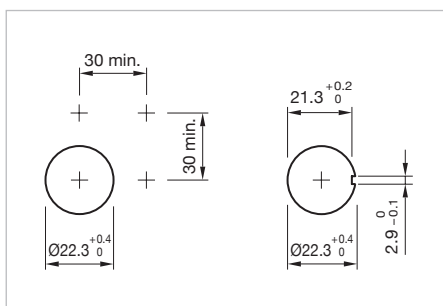
Equipment consisting of (schematic overview)



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

Additional Information

- For front dimension Ø 29 mm
- For LED element fitting information see «Application guidelines, LED polarity»



Mounting cut-outs [mm]

LED colour	Operating voltage	Lens profile	Lens colour	Contacts	Switching action	Terminal	Part No.	Wiring diagram	Weight
 Illuminated pushbutton, Front dimension Ø 29 mm									
red	24 VAC/DC	flush	red	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.111101	1	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
red	24 VAC/DC	raised	red	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.111051	1	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
yellow	24 VAC/DC	flush	yellow	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.111071	1	0.021 kg

LED colour	Operating voltage	Lens profile	Lens colour	Contacts	Switching action	Terminal	Part No.	Wiring diagram	Weight
 Illuminated pushbutton, Front dimension Ø 29 mm									
yellow	24 VAC/DC	raised	yellow	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.111021	1	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
green	24 VAC/DC	flush	green	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.111081	1	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
green	24 VAC/DC	raised	green	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.111031	1	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
blue	24 VAC/DC	flush	blue	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.111061	1	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
blue	24 VAC/DC	raised	blue	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.111011	1	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
clear	24 VAC/DC	flush	clear	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.111091	1	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
clear	24 VAC/DC	raised	clear	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.111041	1	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
red	28 VAC/DC	flush	red	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.111102	1	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
red	28 VAC/DC	raised	red	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.111052	1	0.021 kg

14 Raised design

LED colour	Operating voltage	Lens profile	Lens colour	Contacts	Switching action	Terminal	Part No.	Wiring diagram	Weight
 Illuminated pushbutton, Front dimension Ø 29 mm									
yellow	28 VAC/DC	flush	yellow	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.111072	1	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
yellow	28 VAC/DC	raised	yellow	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.111022	1	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
green	28 VAC/DC	flush	green	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.111082	1	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
green	28 VAC/DC	raised	green	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.111032	1	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
blue	28 VAC/DC	flush	blue	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.111062	1	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
blue	28 VAC/DC	raised	blue	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.111012	1	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
clear	28 VAC/DC	flush	clear	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.111092	1	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
clear	28 VAC/DC	raised	clear	1 NC + 1 NO	Momentary	Solder/Plug-in 2.8 x 0.8 mm	K14-131.111042	1	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
red	24 VAC/DC	flush	red	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.112101	2	0.021 kg

LED colour	Operating voltage	Lens profile	Lens colour	Contacts	Switching action	Terminal	Part No.	Wiring diagram	Weight
 Illuminated pushbutton, Front dimension Ø 29 mm									
red	24 VAC/DC	raised	red	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.112051	2	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
yellow	24 VAC/DC	flush	yellow	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.112071	2	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
yellow	24 VAC/DC	raised	yellow	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.112021	2	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
green	24 VAC/DC	flush	green	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.112081	2	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
green	24 VAC/DC	raised	green	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.112031	2	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
blue	24 VAC/DC	flush	blue	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.112061	2	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
blue	24 VAC/DC	raised	blue	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.112011	2	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
clear	24 VAC/DC	flush	clear	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.112091	2	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
clear	24 VAC/DC	raised	clear	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.112041	2	0.021 kg

14 Raised design

LED colour	Operating voltage	Lens profile	Lens colour	Contacts	Switching action	Terminal	Part No.	Wiring diagram	Weight
 Illuminated pushbutton, Front dimension Ø 29 mm									
red	28 VAC/DC	flush	red	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.112102	2	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
red	28 VAC/DC	raised	red	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.112052	2	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
yellow	28 VAC/DC	flush	yellow	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.112072	2	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
yellow	28 VAC/DC	raised	yellow	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.112022	2	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
green	28 VAC/DC	flush	green	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.112082	2	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
green	28 VAC/DC	raised	green	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.112032	2	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
blue	28 VAC/DC	flush	blue	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.112062	2	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
blue	28 VAC/DC	raised	blue	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.112012	2	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
clear	28 VAC/DC	flush	clear	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.112092	2	0.021 kg

LED colour	Operating voltage	Lens profile	Lens colour	Contacts	Switching action	Terminal	Part No.	Wiring diagram	Weight
 Illuminated pushbutton, Front dimension Ø 29 mm									
clear	28 VAC/DC	raised	clear	1 NC + 1 NO	Maintained	Solder/Plug-in 2.8 x 0.8 mm	K14-271.112042	2	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
red	24 VAC/DC	flush	red	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.121101	1	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
red	24 VAC/DC	raised	red	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.121051	1	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
yellow	24 VAC/DC	flush	yellow	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.121071	1	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
yellow	24 VAC/DC	raised	yellow	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.121021	1	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
green	24 VAC/DC	flush	green	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.121081	1	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
green	24 VAC/DC	raised	green	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.121031	1	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
blue	24 VAC/DC	flush	blue	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.121061	1	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
blue	24 VAC/DC	raised	blue	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.121011	1	0.021 kg

14 Raised design

LED colour	Operating voltage	Lens profile	Lens colour	Contacts	Switching action	Terminal	Part No.	Wiring diagram	Weight
 Illuminated pushbutton, Front dimension Ø 29 mm									
clear	24 VAC/DC	flush	clear	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.121091	1	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
clear	24 VAC/DC	raised	clear	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.121041	1	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
red	28 VAC/DC	flush	red	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.121102	1	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
red	28 VAC/DC	raised	red	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.121052	1	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
yellow	28 VAC/DC	flush	yellow	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.121072	1	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
yellow	28 VAC/DC	raised	yellow	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.121022	1	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
green	28 VAC/DC	flush	green	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.121082	1	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
green	28 VAC/DC	raised	green	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.121032	1	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
blue	28 VAC/DC	flush	blue	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.121062	1	0.021 kg

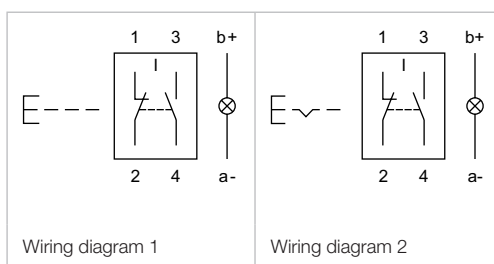
LED colour	Operating voltage	Lens profile	Lens colour	Contacts	Switching action	Terminal	Part No.	Wiring diagram	Weight
 Illuminated pushbutton, Front dimension Ø 29 mm									
blue	28 VAC/DC	raised	blue	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.121012	1	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
clear	28 VAC/DC	flush	clear	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.121092	1	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
clear	28 VAC/DC	raised	clear	1 NC + 1 NO	Momentary	Soldering terminal	K14-131.121042	1	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
red	24 VAC/DC	flush	red	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.122101	2	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
red	24 VAC/DC	raised	red	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.122051	2	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
yellow	24 VAC/DC	flush	yellow	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.122071	2	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
yellow	24 VAC/DC	raised	yellow	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.122021	2	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
green	24 VAC/DC	flush	green	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.122081	2	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
green	24 VAC/DC	raised	green	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.122031	2	0.021 kg

14 Raised design

LED colour	Operating voltage	Lens profile	Lens colour	Contacts	Switching action	Terminal	Part No.	Wiring diagram	Weight
 Illuminated pushbutton, Front dimension Ø 29 mm									
blue	24 VAC/DC	flush	blue	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.122061	2	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
blue	24 VAC/DC	raised	blue	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.122011	2	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
clear	24 VAC/DC	flush	clear	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.122091	2	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
clear	24 VAC/DC	raised	clear	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.122041	2	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
red	28 VAC/DC	flush	red	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.122102	2	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
red	28 VAC/DC	raised	red	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.122052	2	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
yellow	28 VAC/DC	flush	yellow	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.122072	2	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
yellow	28 VAC/DC	raised	yellow	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.122022	2	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
green	28 VAC/DC	flush	green	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.122082	2	0.021 kg

LED colour	Operating voltage	Lens profile	Lens colour	Contacts	Switching action	Terminal	Part No.	Wiring diagram	Weight
 Illuminated pushbutton, Front dimension Ø 29 mm									
green	28 VAC/DC	raised	green	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.122032	2	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
blue	28 VAC/DC	flush	blue	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.122062	2	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
blue	28 VAC/DC	raised	blue	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.122012	2	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
clear	28 VAC/DC	flush	clear	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.122092	2	0.021 kg
 Illuminated pushbutton, Front dimension Ø 29 mm									
clear	28 VAC/DC	raised	clear	1 NC + 1 NO	Maintained	Soldering terminal	K14-271.122042	2	0.021 kg

Contacts: NC = Normally closed, NO = Normally open

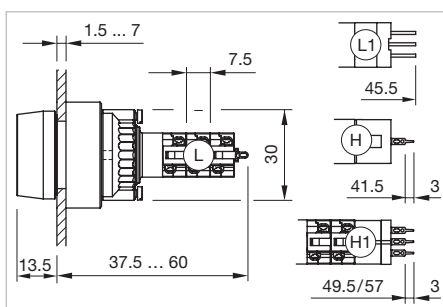


14 Raised design

Illuminated pushbutton, IP67



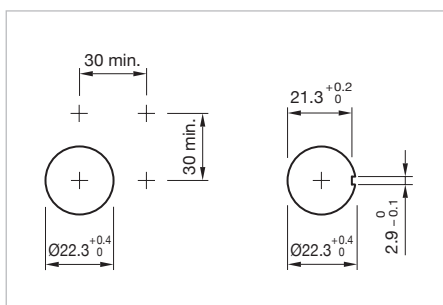
Product can differ from the current configuration.



Dimensions [mm]
L = Solder terminal,
L1 = Solder/Plug-in terminal 2.8 x 0.5 mm,
H = Universal terminal 2.0 x 0.5 mm,
H1 = Universal-Solder terminal

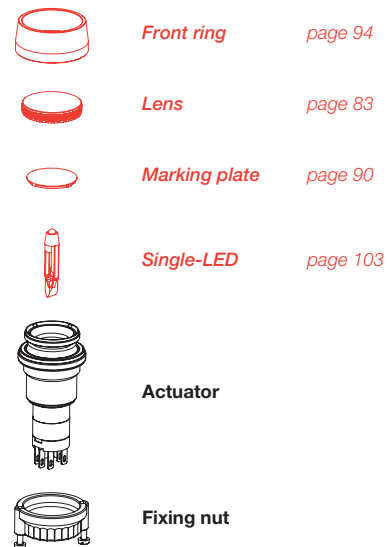
Additional Information

- For front dimension Ø 29 mm
- For LED element fitting information see «Application guidelines, LED polarity»



Mounting cut-outs [mm]

Equipment consisting of (schematic overview)



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.

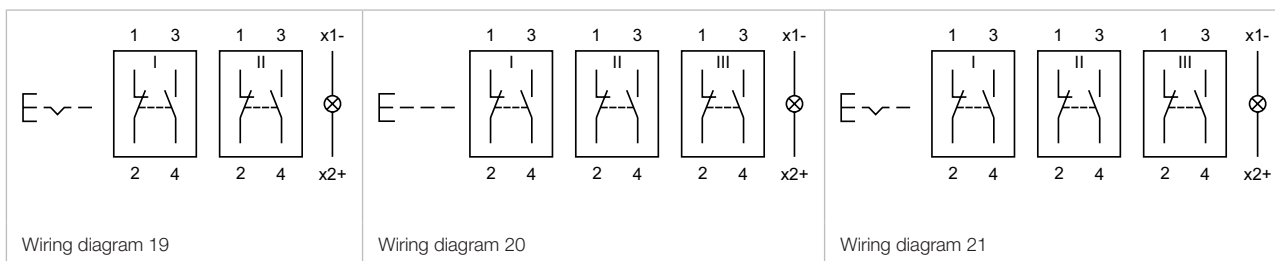
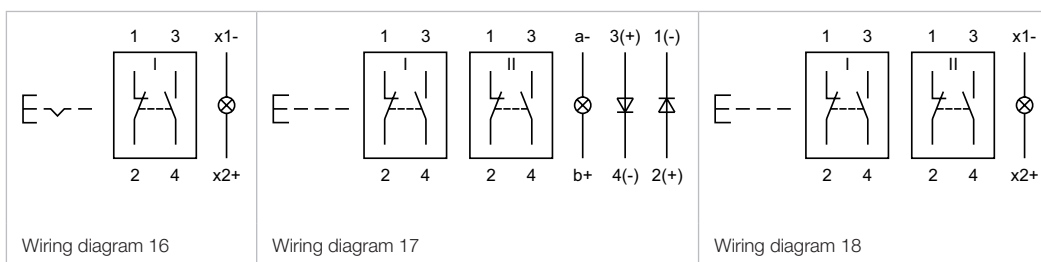
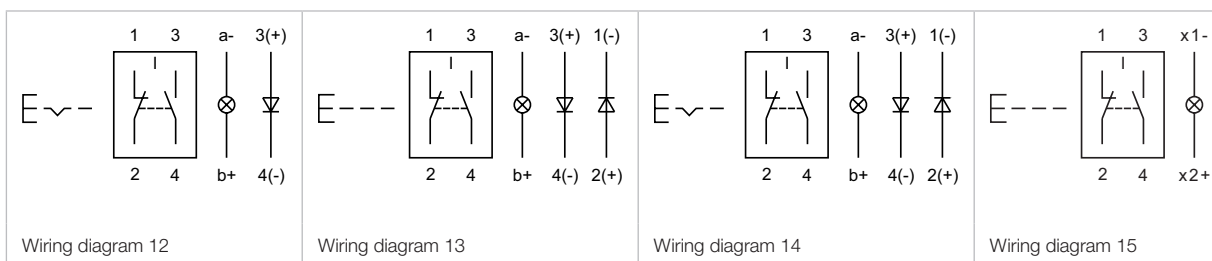
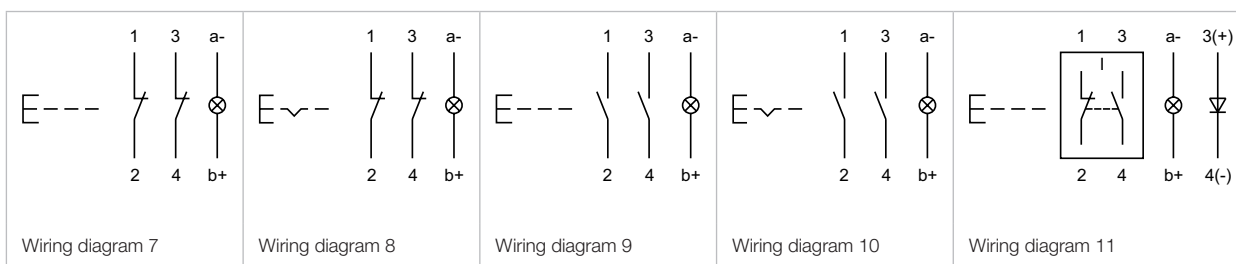
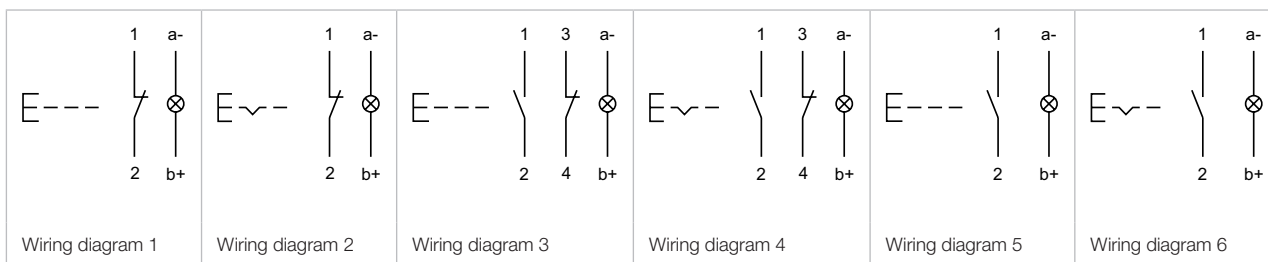
Switching system	Contacts	Switching action	Terminal	Diode 1N4007	Part No.	Compo- nent layout	Wiring dia- gram	Weight
 Illuminated pushbutton actuator, Front dimension Ø 29 mm								
Low-level element	1 NC	Momentary	Universal 2.0 x 0.5 mm		14-436.036	1	1	0,015 kg
		Maintained	Universal 2.0 x 0.5 mm		14-476.036	1	2	0,015 kg
 Illuminated pushbutton actuator, Front dimension Ø 29 mm								
Low-level element	1 NC + 1 NO	Momentary	Universal 2.0 x 0.5 mm		14-433.036	1	3	0,015 kg
		Maintained	Universal 2.0 x 0.5 mm		14-473.036	1	4	0,015 kg
 Illuminated pushbutton actuator, Front dimension Ø 29 mm								
Low-level element	1 NO	Momentary	Universal 2.0 x 0.5 mm		14-435.036	1	5	0,015 kg
		Maintained	Universal 2.0 x 0.5 mm		14-475.036	1	6	0,015 kg
 Illuminated pushbutton actuator, Front dimension Ø 29 mm								
Low-level element	2 NC	Momentary	Universal 2.0 x 0.5 mm		14-432.036	1	7	0,015 kg
		Maintained	Universal 2.0 x 0.5 mm		14-472.036	1	8	0,015 kg
	2 NO	Momentary	Universal 2.0 x 0.5 mm		14-431.036	1	9	0,015 kg
		Maintained	Universal 2.0 x 0.5 mm		14-471.036	1	10	0,015 kg

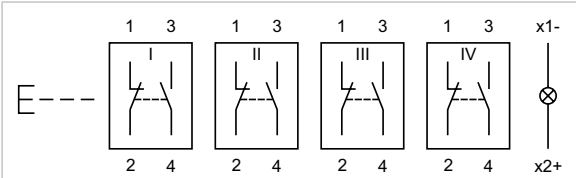
Switching system	Contacts	Switching action	Terminal	Diode 1N4007	Part No.	Compo- nent layout	Wiring dia- gram	Weight
								
Illuminated pushbutton actuator, Front dimension Ø 29 mm								
Snap-action switching element	1 NC + 1 NO	Momentary	Universal-Solder	1	14-743.0292	1	11	0,014 kg
		Maintained	Universal-Solder	1	14-747.0292	1	12	0,014 kg
								
Illuminated pushbutton actuator, Front dimension Ø 29 mm								
Snap-action switching element	1 NC + 1 NO	Momentary	Universal-Solder	2	14-744.0292	1	13	0,014 kg
		Maintained	Universal-Solder	2	14-748.0292	1	14	0,014 kg
								
Illuminated pushbutton actuator, Front dimension Ø 29 mm								
Snap-action switching element	1 NC + 1 NO	Momentary	Solder 2.8 x 0.5 mm		14-131.022		24	0,013 kg
								
Illuminated pushbutton actuator, Front dimension Ø 29 mm								
Snap-action switching element	1 NC + 1 NO	Momentary	Solder		14-131.0252		15	0,013 kg
								
Illuminated pushbutton actuator, Front dimension Ø 29 mm								
Snap-action switching element	1 NC + 1 NO	Maintained	Solder 2.8 x 0.5 mm		14-271.022		25	0,013 kg
								
Illuminated pushbutton actuator, Front dimension Ø 29 mm								
Snap-action switching element	1 NC + 1 NO	Maintained	Solder		14-271.0252		16	0,013 kg
								
Illuminated pushbutton actuator, Front dimension Ø 29 mm								
Snap-action switching element	2 NC + 2 NO	Momentary	Universal-Solder	2	14-746.0292	1	17	0,016 kg
								
Illuminated pushbutton actuator, Front dimension Ø 29 mm								
Snap-action switching element	2 NC + 2 NO	Momentary	Solder		14-132.0252		18	0,015 kg
		Maintained	Solder		14-272.0252		19	0,015 kg
								
Illuminated pushbutton actuator, Front dimension Ø 29 mm								
Snap-action switching element	3 NC + 3 NO	Momentary	Solder		14-133.0252		20	0,017 kg
		Maintained	Solder		14-273.0252		21	0,017 kg

14 Raised design

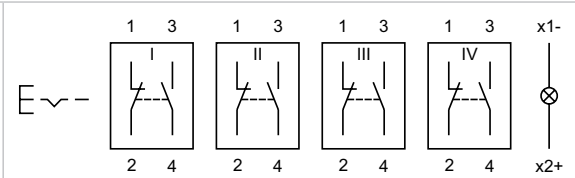
Switching system	Contacts	Switching action	Terminal	Diode 1N4007	Part No.	Component layout	Wiring diagram	Weight
 Illuminated pushbutton actuator, Front dimension Ø 29 mm								
Snap-action switching element	4 NC + 4 NO	Momentary	Solder		14-134.0252		22	0,019 kg
		Maintained	Solder		14-274.0252		23	0,019 kg

Contacts: NC = Normally closed, NO = Normally open
The component layouts you will find from page 110

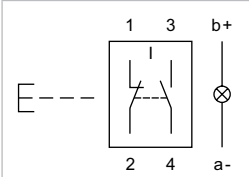




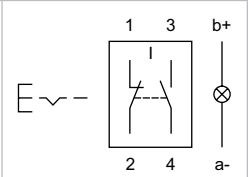
Wiring diagram 22



Wiring diagram 23



Wiring diagram 24



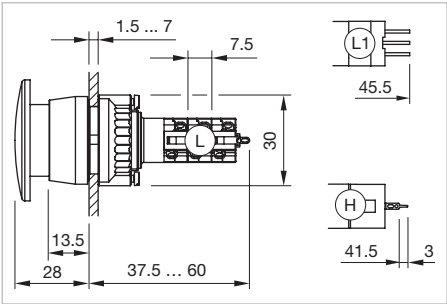
Wiring diagram 25

14 Raised design

Mushroom-head pushbutton, IP67

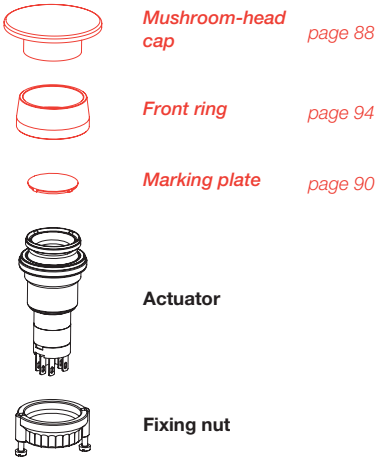


Product can differ from the current configuration.



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

Equipment consisting of (schematic overview)

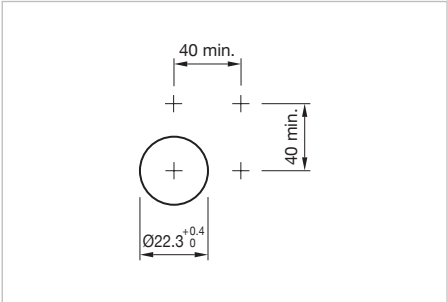


Each Part Number listed below includes all the black components shown in the 3D-drawing.

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

Additional Information

- For front dimension Ø 40 mm

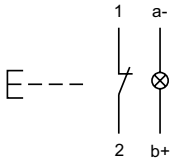
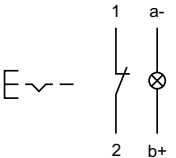
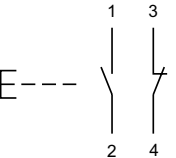
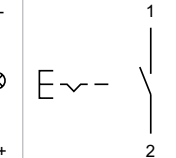
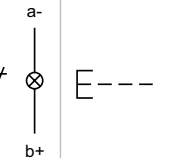
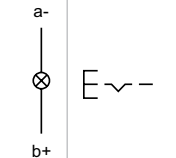


Mounting cut-outs [mm]

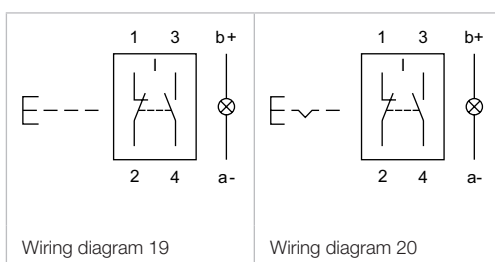
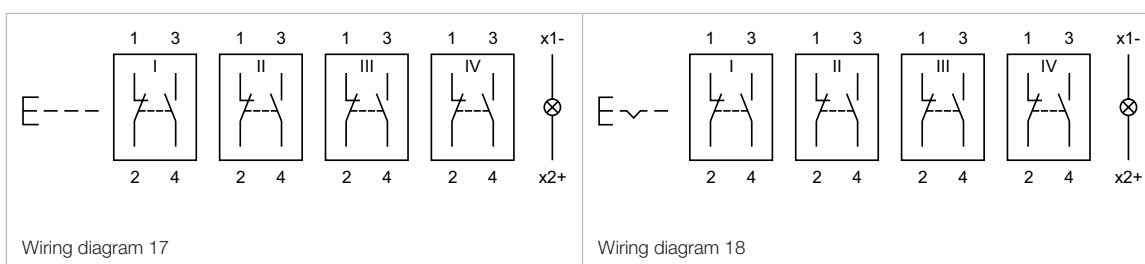
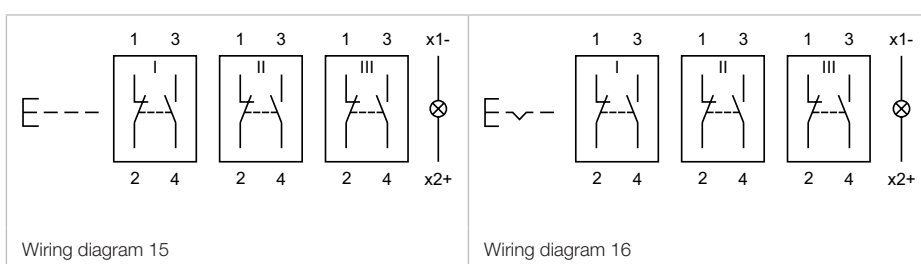
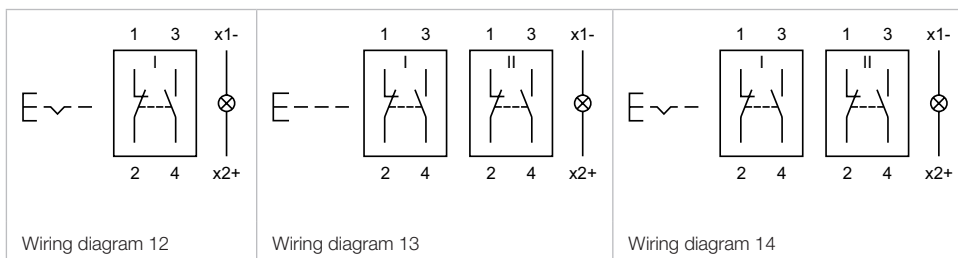
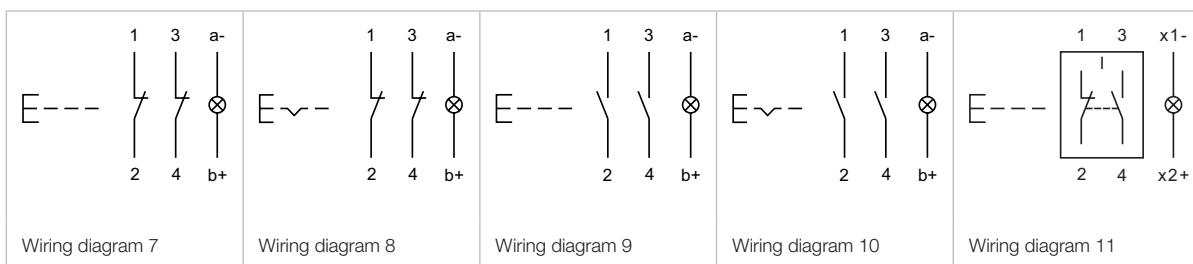
Switching system	Contacts	Switching action	Terminal	Part No.	Compo- nent layout	Wiring dia- gram	Weight
 Mushroom-head pushbutton actuator, Front dimension Ø 29 mm							
Low-level element	1 NC	Momentary	Universal 2.0 x 0.5 mm	14-436.036	1	1	0,015 kg
		Maintained	Universal 2.0 x 0.5 mm	14-476.036	1	2	0,015 kg
 Mushroom-head pushbutton actuator, Front dimension Ø 29 mm							
Low-level element	1 NC + 1 NO	Momentary	Universal 2.0 x 0.5 mm	14-433.036	1	3	0,015 kg
		Maintained	Universal 2.0 x 0.5 mm	14-473.036	1	4	0,015 kg
 Mushroom-head pushbutton actuator, Front dimension Ø 29 mm							
Low-level element	1 NO	Momentary	Universal 2.0 x 0.5 mm	14-435.036	1	5	0,015 kg
		Maintained	Universal 2.0 x 0.5 mm	14-475.036	1	6	0,015 kg
 Mushroom-head pushbutton actuator, Front dimension Ø 29 mm							
Low-level element	2 NC	Momentary	Universal 2.0 x 0.5 mm	14-432.036	1	7	0,015 kg
		Maintained	Universal 2.0 x 0.5 mm	14-472.036	1	8	0,015 kg
	2 NO	Momentary	Universal 2.0 x 0.5 mm	14-431.036	1	9	0,015 kg
		Maintained	Universal 2.0 x 0.5 mm	14-471.036	1	10	0,015 kg

Switching system	Contacts	Switching action	Terminal	Part No.	Component layout	Wiring diagram	Weight
							
Mushroom-head pushbutton actuator, Front dimension Ø 29 mm							
Snap-action switching element	1 NC + 1 NO	Momentary	Solder 2.8 x 0.5 mm	14-131.022		19	0,013 kg
							
Mushroom-head pushbutton actuator, Front dimension Ø 29 mm							
Snap-action switching element	1 NC + 1 NO	Momentary	Solder	14-131.0252		11	0,013 kg
							
Mushroom-head pushbutton actuator, Front dimension Ø 29 mm							
Snap-action switching element	1 NC + 1 NO	Maintained	Solder 2.8 x 0.5 mm	14-271.022		20	0,013 kg
							
Mushroom-head pushbutton actuator, Front dimension Ø 29 mm							
Snap-action switching element	1 NC + 1 NO	Maintained	Solder	14-271.0252		12	0,013 kg
							
Mushroom-head pushbutton actuator, Front dimension Ø 29 mm							
Snap-action switching element	2 NC + 2 NO	Momentary	Solder	14-132.0252		13	0,015 kg
		Maintained	Solder	14-272.0252		14	0,015 kg
							
Mushroom-head pushbutton actuator, Front dimension Ø 29 mm							
Snap-action switching element	3 NC + 3 NO	Momentary	Solder	14-133.0252		15	0,017 kg
		Maintained	Solder	14-273.0252		16	0,017 kg
							
Mushroom-head pushbutton actuator, Front dimension Ø 29 mm							
Snap-action switching element	4 NC + 4 NO	Momentary	Solder	14-134.0252		17	0,019 kg
		Maintained	Solder	14-274.0252		18	0,019 kg

Contacts: NC = Normally closed, NO = Normally open
The component layouts you will find from page 110

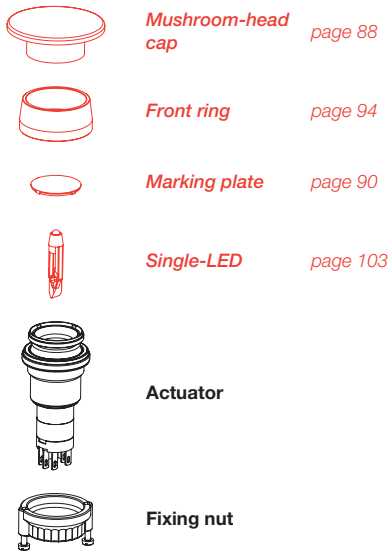
					
Wiring diagram 1	Wiring diagram 2	Wiring diagram 3	Wiring diagram 4	Wiring diagram 5	Wiring diagram 6

14 Raised design



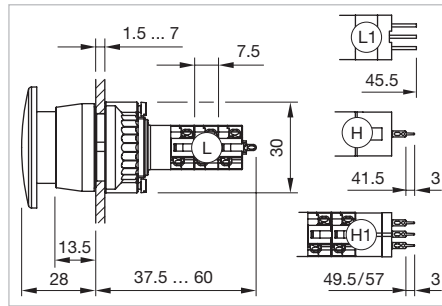
Illuminated mushroom head pushbutton, IP67

Equipment consisting of (schematic overview)



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

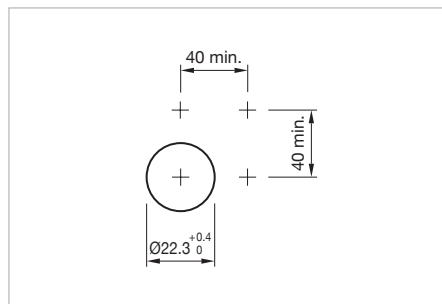
To obtain a complete unit, please select the red components from the pages shown.



Dimensions [mm]
 L = Solder terminal,
 L1 = Solder/Plug-in terminal 2.8 x 0.5 mm,
 H = Universal terminal 2.0 x 0.5 mm,
 H1 = Universal-Solder terminal



Product can differ from the current configuration.



Mounting cut-outs [mm]

Additional Information

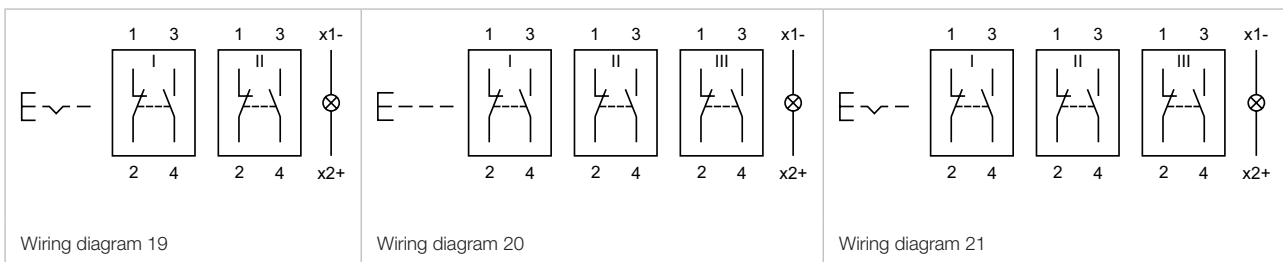
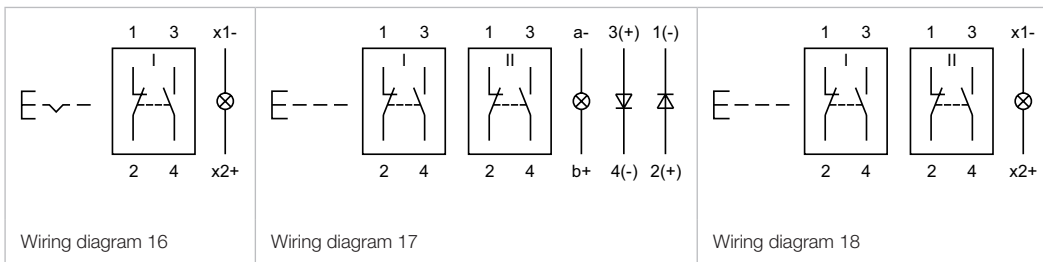
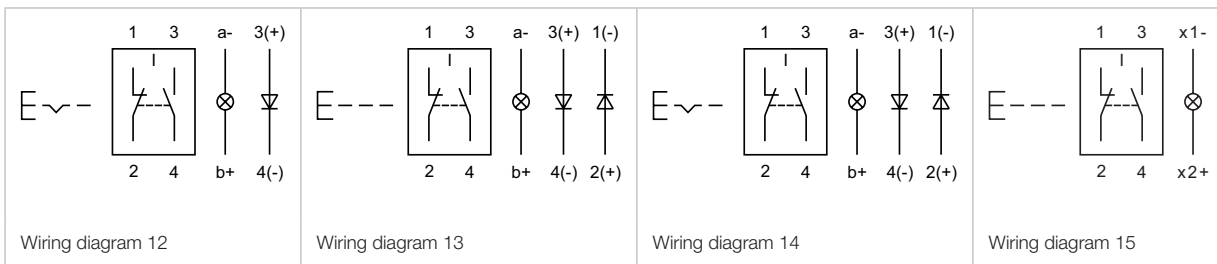
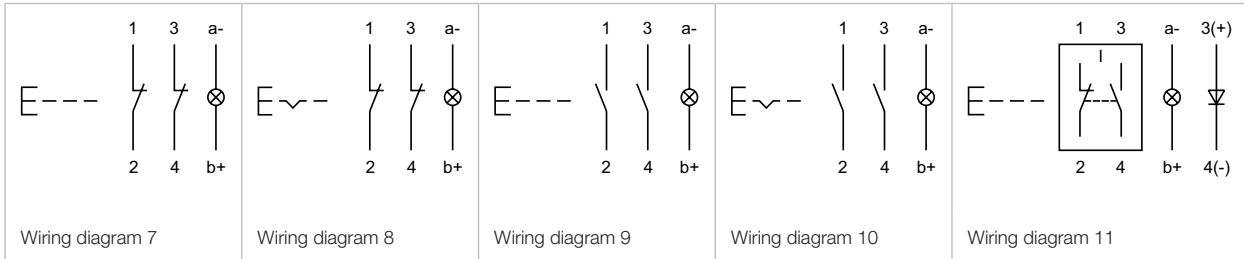
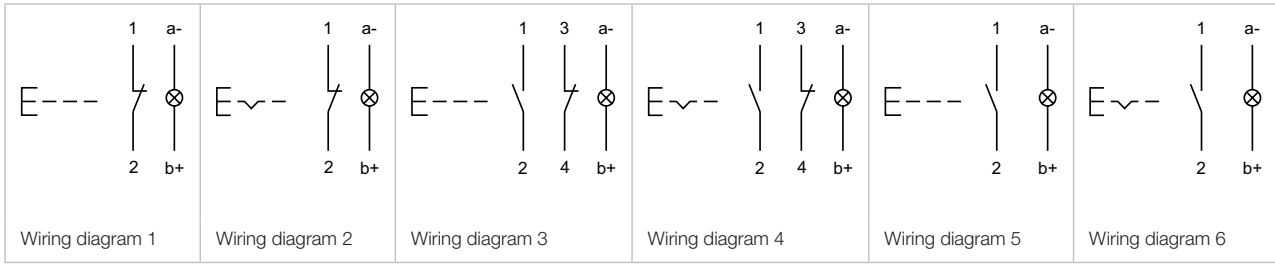
- For front dimension Ø 29 mm
- For LED element fitting information see «Application guidelines, LED polarity»

Switching system	Contacts	Switching action	Terminal	Diode 1N4007	Part No.	Compo- nent layout	Wiring dia- gram	Weight
 Mushroom-head pushbutton actuator illuminated, Front dimension Ø 29 mm								
Low-level element	1 NC	Momentary	Universal 2.0 x 0.5 mm		14-436.036	1	1	0,015 kg
		Maintained	Universal 2.0 x 0.5 mm		14-476.036	1	2	0,015 kg
 Mushroom-head pushbutton actuator illuminated, Front dimension Ø 29 mm								
Low-level element	1 NC + 1 NO	Momentary	Universal 2.0 x 0.5 mm		14-433.036	1	3	0,015 kg
		Maintained	Universal 2.0 x 0.5 mm		14-473.036	1	4	0,015 kg
 Mushroom-head pushbutton actuator illuminated, Front dimension Ø 29 mm								
Low-level element	1 NO	Momentary	Universal 2.0 x 0.5 mm		14-435.036	1	5	0,015 kg
		Maintained	Universal 2.0 x 0.5 mm		14-475.036	1	6	0,015 kg
 Mushroom-head pushbutton actuator illuminated, Front dimension Ø 29 mm								
Low-level element	2 NC	Momentary	Universal 2.0 x 0.5 mm		14-432.036	1	7	0,015 kg
		Maintained	Universal 2.0 x 0.5 mm		14-472.036	1	8	0,015 kg
		Momentary	Universal 2.0 x 0.5 mm		14-431.036	1	9	0,015 kg
		Maintained	Universal 2.0 x 0.5 mm		14-471.036	1	10	0,015 kg

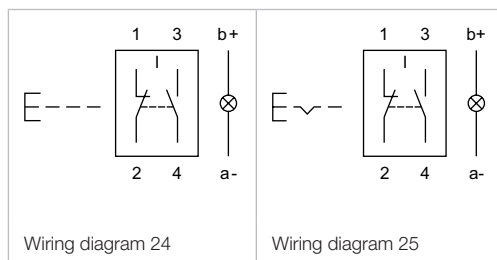
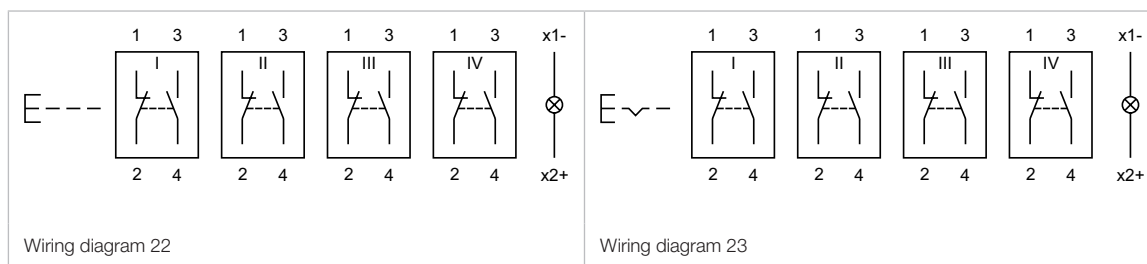
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Switching system	Contacts	Switching action	Terminal	Diode 1N4007	Part No.	Component layout	Wiring diagram	Weight
 Mushroom-head pushbutton actuator illuminated, Front dimension Ø 29 mm								
Snap-action switching element	1 NC + 1 NO	Momentary	Universal-Solder	1	14-743.0292	1	11	0,014 kg
		Maintained	Universal-Solder	1	14-747.0292	1	12	0,014 kg
 Mushroom-head pushbutton actuator illuminated, Front dimension Ø 29 mm								
Snap-action switching element	1 NC + 1 NO	Momentary	Universal-Solder	2	14-744.0292	1	13	0,014 kg
		Maintained	Universal-Solder	2	14-748.0292	1	14	0,014 kg
 Mushroom-head pushbutton actuator illuminated, Front dimension Ø 29 mm								
Snap-action switching element	1 NC + 1 NO	Momentary	Solder 2.8 x 0.5 mm		14-131.022		24	0,013 kg
		Maintained	Solder 2.8 x 0.5 mm		14-271.022		25	0,013 kg
 Mushroom-head pushbutton actuator illuminated, Front dimension Ø 29 mm								
Snap-action switching element	1 NC + 1 NO	Momentary	Solder		14-131.0252		15	0,013 kg
		Maintained	Solder		14-271.0252		16	0,013 kg
 Mushroom-head pushbutton actuator illuminated, Front dimension Ø 29 mm								
Snap-action switching element	2 NC + 2 NO	Momentary	Universal-Solder	2	14-746.0292	1	17	0,016 kg
 Mushroom-head pushbutton actuator illuminated, Front dimension Ø 29 mm								
Snap-action switching element	2 NC + 2 NO	Momentary	Solder		14-132.0252		18	0,015 kg
		Maintained	Solder		14-272.0252		19	0,015 kg
 Mushroom-head pushbutton actuator illuminated, Front dimension Ø 29 mm								
Snap-action switching element	3 NC + 3 NO	Momentary	Solder		14-133.0252		20	0,017 kg
		Maintained	Solder		14-273.0252		21	0,017 kg
 Mushroom-head pushbutton actuator illuminated, Front dimension Ø 29 mm								
Snap-action switching element	4 NC + 4 NO	Momentary	Solder		14-134.0252		22	0,019 kg
Snap-action switching element	4 NC + 4 NO	Maintained	Solder		14-274.0252		23	0,019 kg

Contacts: NC = Normally closed, NO = Normally open
The component layouts you will find from page 110

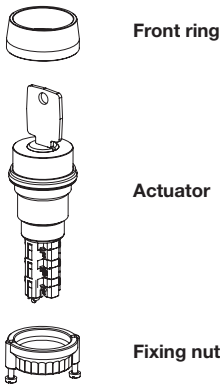


14 Raised design

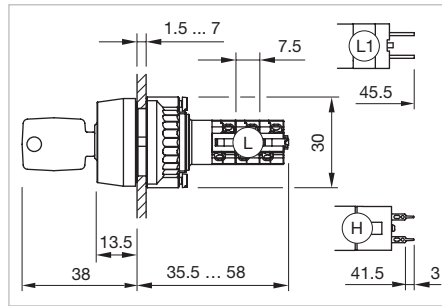


Keylock switch 2 positions, IP65

Equipment consisting of (schematic overview)



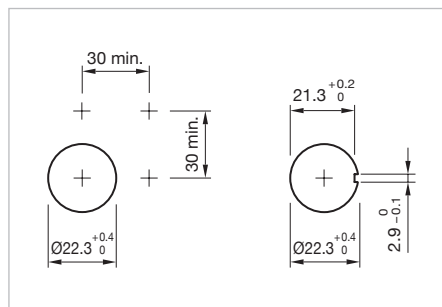
Each Part Number listed below includes all the black components shown in the 3D-drawing.



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



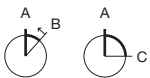
Product can differ from the current configuration.



Mounting cut-outs [mm]

Additional Information

- Front plastic black
- Lock numbers 1001, lock type KABA
- Optional lock numbers on request
- Two keys are supplied with each keylock switch.
- The colour of anodized aluminium parts can vary due to technical production reasons



Switching positions (A = Rest, B = Momentary, C = Maintained)

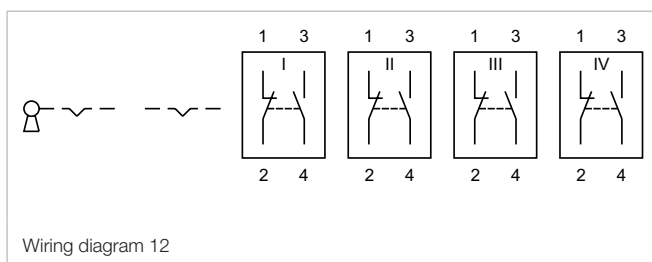
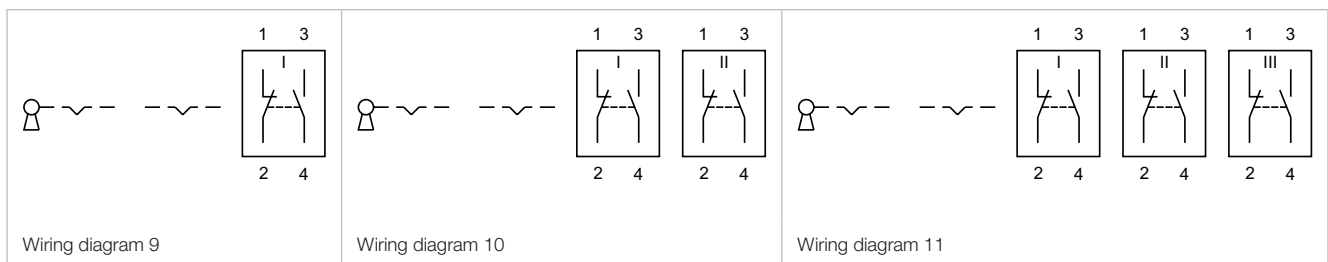
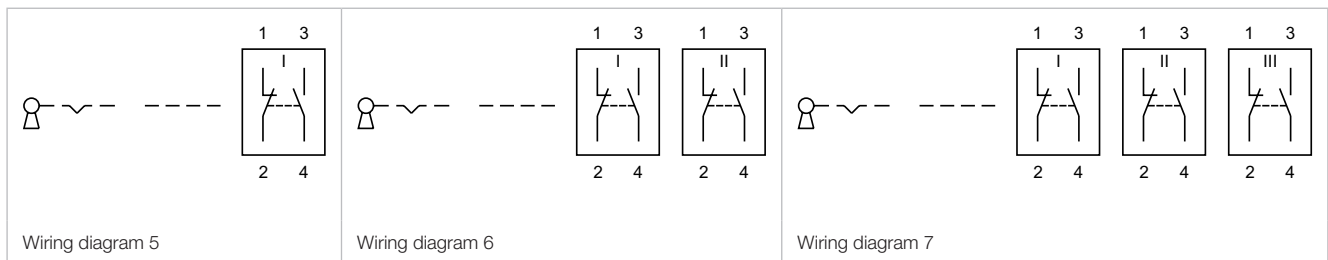
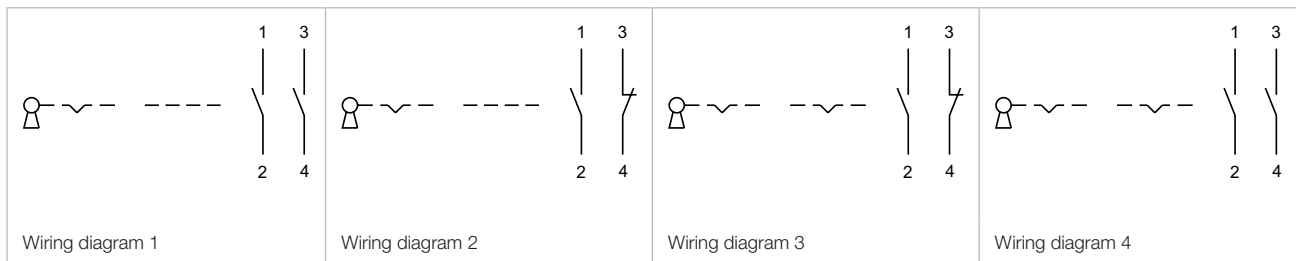
Front bezel	Switching system	Contacts	Switching action	Switching angle	Terminal	Part No.	Component layout	Wiring diagram	Weight
 Keylock switch actuator 2 positions, Front dimension Ø 29 mm									
Aluminium natural anodized	Low-level element	2 NO	Rest(a) - Momentary	42° right	Universal 2.0 x 0.5 mm	14-437.036K	1	1	0,030 kg
		1 NC + 1 NO	Rest(a) - Momentary	42° right	Universal 2.0 x 0.5 mm	14-438.036K	1	2	0,030 kg
		1 NC + 1 NO	Rest(a) - Maintain(a)	90° right	Universal 2.0 x 0.5 mm	14-412.036K	1	3	0,030 kg
		2 NO	Rest - Maintain(a)	90° right	Universal 2.0 x 0.5 mm	14-417.036K	1	4	0,030 kg
		1 NC + 1 NO	Rest(a) - Maintain	90° right	Universal 2.0 x 0.5 mm	14-415.036K	1	3	0,030 kg
		1 NC + 1 NO	Rest - Maintain(a)	90° right	Universal 2.0 x 0.5 mm	14-418.036K	1	3	0,030 kg
		2 NO	Rest(a) - Maintain(a)	90° right	Universal 2.0 x 0.5 mm	14-411.036K	1	4	0,030 kg
		2 NO	Rest(a) - Maintain	90° right	Universal 2.0 x 0.5 mm	14-414.036K	1	4	0,030 kg

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Front bezel	Switching system	Contacts	Switching action	Switching angle	Terminal	Part No.	Component layout	Wiring diagram	Weight
									
Keylock switch actuator 2 positions, Front dimension Ø 29 mm									
Aluminium natural anodized	Snap-action switching element	1 NC + 1 NO	Rest(a) - Momentary	42° right	Solder 2.8 x 0.5 mm	14-141.022K		5	0,029 kg
									
Keylock switch actuator 2 positions, Front dimension Ø 29 mm									
Aluminium natural anodized	Snap-action switching element	1 NC + 1 NO	Rest(a) - Momentary	42° right	Solder	14-141.025K2		5	0,029 kg
									
Keylock switch actuator 2 positions, Front dimension Ø 29 mm									
Aluminium natural anodized	Snap-action switching element	2 NC + 2 NO	Rest(a) - Momentary	42° right	Solder	14-142.025K2		6	0,031 kg
									
Keylock switch actuator 2 positions, Front dimension Ø 29 mm									
Aluminium natural anodized	Snap-action switching element	3 NC + 3 NO	Rest(a) - Momentary	42° right	Solder	14-143.025K2		7	0,033 kg
									
Keylock switch actuator 2 positions, Front dimension Ø 29 mm									
Aluminium natural anodized	Snap-action switching element	1 NC + 1 NO	Rest - Maintain(a)	90° right	Solder	14-335.025K2		9	0,029 kg
									
Keylock switch actuator 2 positions, Front dimension Ø 29 mm									
Aluminium natural anodized	Snap-action switching element	1 NC + 1 NO	Rest(a) - Maintain(a)	90° right	Solder 2.8 x 0.5 mm	14-135.022K		9	0,029 kg
			Rest(a) - Maintain	90° right	Solder 2.8 x 0.5 mm	14-235.022K		9	0,029 kg
			Rest - Maintain(a)	90° right	Solder 2.8 x 0.5 mm	14-335.022K		9	0,029 kg
									
Keylock switch actuator 2 positions, Front dimension Ø 29 mm									
Aluminium natural anodized	Snap-action switching element	2 NC + 2 NO	Rest(a) - Maintain(a)	90° right	Solder	14-136.025K2		10	0,031 kg
			Rest(a) - Maintain	90° right	Solder	14-236.025K2		10	0,031 kg
			Rest - Maintain(a)	90° right	Solder	14-336.025K2		10	0,031 kg
									
Keylock switch actuator 2 positions, Front dimension Ø 29 mm									
Aluminium natural anodized	Snap-action switching element	3 NC + 3 NO	Rest(a) - Maintain(a)	90° right	Solder	14-137.025K2		11	0,033 kg
			Rest(a) - Maintain	90° right	Solder	14-237.025K2		11	0,033 kg
			Rest - Maintain(a)	90° right	Solder	14-337.025K2		11	0,033 kg

Front bezel	Switching system	Contacts	Switching action	Switching angle	Terminal	Part No.	Component layout	Wiring diagram	Weight
									
Keylock switch actuator 2 positions, Front dimension Ø 29 mm									
Aluminium natural anodized	Snap-action switching element	4 NC + 4 NO	Rest(a) - Maintain(a)	90° right	Solder	14-138.025K2		12	0,035 kg
			Rest(a) - Maintain	90° right	Solder	14-238.025K2		12	0,035 kg
			Rest - Maintain(a)	90° right	Solder	14-338.025K2		12	0,035 kg
									
Keylock switch actuator 2 positions, Front dimension Ø 29 mm									
Aluminium natural anodized	Snap-action switching element	1 NC + 1 NO	Rest(a) - Maintain(a)	90° right	Solder	14-135.025K2		9	0,029 kg
			Rest(a) - Maintain	90° right	Solder	14-235.025K2		9	0,029 kg

Contacts: NC = Normally closed, NO = Normally open
The component layouts you will find from page 110

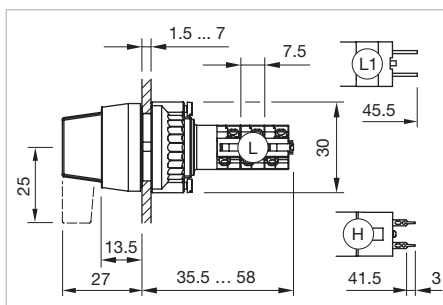


14 Raised design

Selector switch 2 positions, IP67

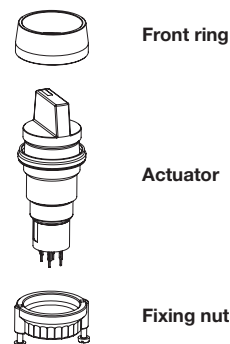


Product can differ from the current configuration.



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

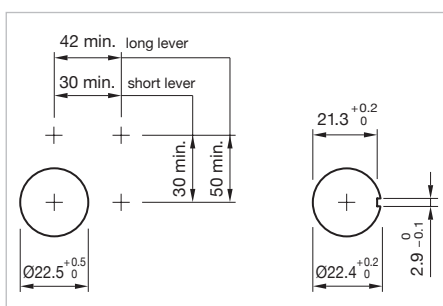
Equipment consisting of (schematic overview)



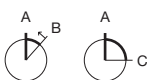
Each Part Number listed below includes all the black components shown in the 3D-drawing.

Additional Information

- non-illuminative
- Frontring aluminium natural anodized
- The colour of anodized aluminium parts can vary due to technical production reasons



Mounting cut-outs [mm]



Switching positions (A = Rest, B = Momentary, C = Maintained)

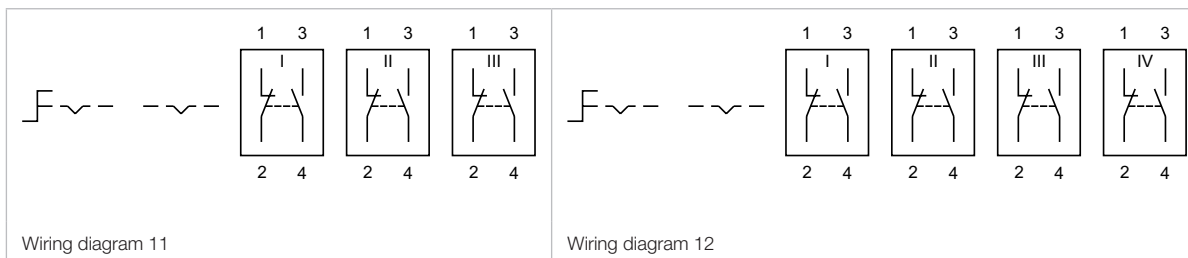
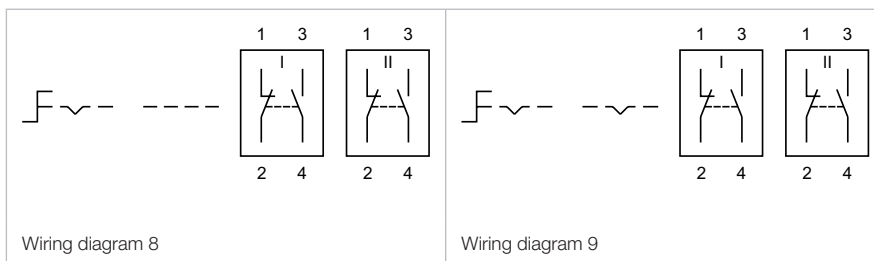
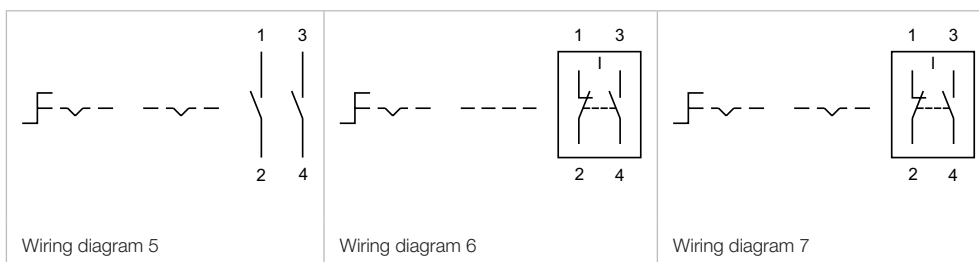
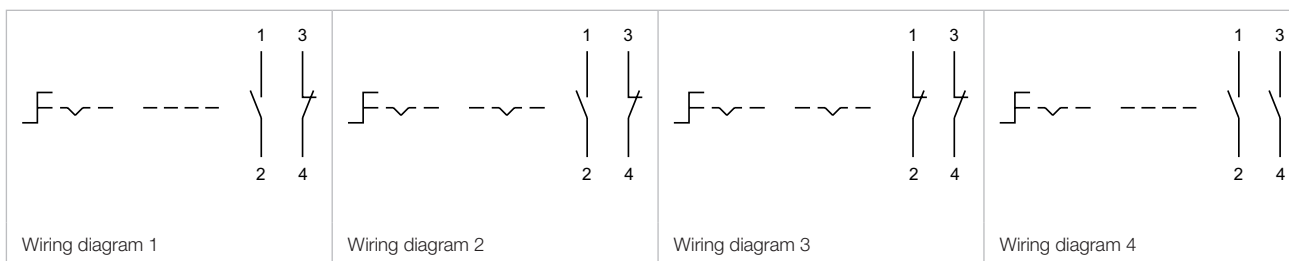
Lever	Switching system	Contacts	Switching action	Switching angle	Terminal	Part No.	Component layout	Wiring diagram	Weight
									
Selector switch actuator 2 positions, Front dimension Ø 29 mm									
Plastic black short	Low-level element	1 NC + 1 NO	Rest - Momentary	42° right	Universal 2.0 x 0.5 mm	14-517.0360	1	1	0,025 kg
			Rest - Maintain	90° right	Universal 2.0 x 0.5 mm	14-522.0360	1	2	0,025 kg
		2 NC	Rest - Maintain	90° right	Universal 2.0 x 0.5 mm	14-521.0360	1	3	0,025 kg
		2 NO	Rest - Momentary	42° right	Universal 2.0 x 0.5 mm	14-515.0360	1	4	0,025 kg
			Rest - Maintain	90° right	Universal 2.0 x 0.5 mm	14-520.0360	1	5	0,025 kg
									
Selector switch actuator 2 positions, Front dimension Ø 29 mm									
Plastic black short	Snap-action switching element	1 NC + 1 NO	Rest - Momentary	42° right	Solder 2.8 x 0.5 mm	14-501.0220		6	0,024 kg

Lever	Switching system	Contacts	Switching action	Switching angle	Terminal	Part No.	Component layout	Wiring diagram	Weight
 Selector switch actuator 2 positions, Front dimension Ø 29 mm									
Plastic black short	Snap-action switching element	1 NC + 1 NO	Rest - Momentary	42° right	Solder	14-501.02502		6	0,024 kg
 Selector switch actuator 2 positions, Front dimension Ø 29 mm									
Plastic black short	Snap-action switching element	1 NC + 1 NO	Rest - Maintain	90° right	Solder 2.8 x 0.5 mm	14-506.0220		7	0,024 kg
 Selector switch actuator 2 positions, Front dimension Ø 29 mm									
Plastic black short	Snap-action switching element	1 NC + 1 NO	Rest - Maintain	90° right	Solder	14-506.02502		7	0,024 kg
 Selector switch actuator 2 positions, Front dimension Ø 29 mm									
Plastic black short	Snap-action switching element	2 NC + 2 NO	Rest - Momentary	42° right	Solder	14-502.02502		8	0,026 kg
Plastic black short	Snap-action switching element	2 NC + 2 NO	Rest - Maintain	90° right	Solder	14-507.02502		9	0,026 kg
 Selector switch actuator 2 positions, Front dimension Ø 29 mm									
Plastic black short	Snap-action switching element	3 NC + 3 NO	Rest - Maintain	90° right	Solder	14-508.02502		11	0,028 kg
 Selector switch actuator 2 positions, Front dimension Ø 29 mm									
Plastic black short	Snap-action switching element	4 NC + 4 NO	Rest - Maintain	90° right	Solder	14-509.02502		12	0,030 kg
 Selector switch actuator 2 positions, Front dimension Ø 29 mm									
Plastic black long	Low-level element	1 NC + 1 NO	Rest - Maintain	90° right	Universal 2.0 x 0.5 mm	14-572.0360	1	2	0,025 kg
Plastic black long	Low-level element	2 NO	Rest - Maintain	90° right	Universal 2.0 x 0.5 mm	14-570.0360	1	5	0,025 kg
 Selector switch actuator 2 positions, Front dimension Ø 29 mm									
Plastic black long	Snap-action switching element	1 NC + 1 NO	Rest - Maintain	90° right	Solder 2.8 x 0.5 mm	14-556.0220		7	0,024 kg

14 Raised design

Lever	Switching system	Contacts	Switching action	Switching angle	Terminal	Part No.	Component layout	Wiring diagram	Weight
 Selector switch actuator 2 positions, Front dimension Ø 29 mm									
Plastic black long	Snap-action switching element	1 NC + 1 NO	Rest - Maintain	90° right	Solder	14-556.02502		7	0,024 kg
 Selector switch actuator 2 positions, Front dimension Ø 29 mm									
Plastic black long	Snap-action switching element	2 NC + 2 NO	Rest - Maintain	90° right	Solder	14-557.02502		9	0,026 kg

Contacts: NC = Normally closed, NO = Normally open
The component layouts you will find from page 110



Front

Lens plastic

Additional Information

- To obtain IP 67 use marking plate Part No. 704.609.X

Dimension	Lens	Symbol	Part No.	Weight
 Lens plastic				
	Ø 23.7 mm	Plastic black	704.602.0	0,001 kg
 Lens plastic				
	Ø 23.7 mm	Plastic red	704.602.2	0,001 kg
 Lens plastic				
	Ø 23.7 mm	Plastic orange	704.602.3	0,001 kg
 Lens plastic				
	Ø 23.7 mm	Plastic yellow	704.602.4	0,001 kg
 Lens plastic				
	Ø 23.7 mm	Plastic green	704.602.5	0,001 kg
 Lens plastic				
	Ø 23.7 mm	Plastic blue	704.602.6	0,001 kg
 Lens plastic				
	Ø 23.7 mm	Plastic colourless	704.602.7	0,001 kg
 Lens plastic				
	Ø 23.7 mm	Plastic colourless	704.602.7A01	0,001 kg

14 Accessories

Lens plastic encreased

Additional Information

- To obtain IP 67 use marking plate Part No. 704.610.X

Dimension	Lens	Part No.	Weight
 Lens plastic encreased			
	Ø 23.7 mm	Plastic red	704.611.2 0,002 kg
 Lens plastic encreased			
	Ø 23.7 mm	Plastic yellow	704.611.4 0,002 kg
 Lens plastic encreased			
	Ø 23.7 mm	Plastic green	704.611.5 0,002 kg
 Lens plastic encreased			
	Ø 23.7 mm	Plastic blue	704.611.6 0,002 kg
 Lens plastic encreased			
	Ø 23.7 mm	Plastic colourless	704.611.7 0,002 kg

Lens metal with dot**Additional Information**

- To obtain IP 67 use marking plate Part No. 704.609.X
- The colour of anodized aluminium parts can vary due to technical production reasons

Dimension	Lens	Part No.	Weight
	Lens metal with dot		
Ø 23.7 mm	Aluminium black anodized	704.601.01	0,001 kg
	Lens metal with dot		
Ø 23.7 mm	Aluminium red anodized	704.601.21	0,001 kg
	Lens metal with dot		
Ø 23.7 mm	Aluminium gold anodized	704.601.41	0,001 kg
	Lens metal with dot		
Ø 23.7 mm	Aluminium olive-green anodized	704.601.51	0,001 kg
	Lens metal with dot		
Ø 23.7 mm	Aluminium blue anodized	704.601.61	0,001 kg
	Lens metal with dot		
Ø 23.7 mm	Aluminium natural anodized	704.601.81	0,001 kg
	Stainless steel natural anodized	704.601.91	0,001 kg

14 Accessories

Lens metal

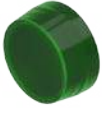
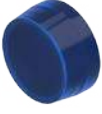
Additional Information

- To obtain IP 67 use marking plate Part No. 704.609.9
- The colour of anodized aluminium parts can vary due to technical production reasons

Dimension	Lens	Part No.	Weight
 Lens metal Ø 23.7 mm	Aluminium black anodized	704.601.0	0,001 kg
 Lens metal Ø 23.7 mm	Aluminium red anodized	704.601.2	0,001 kg
 Lens metal Ø 23.7 mm	Aluminium gold anodized	704.601.4	0,001 kg
 Lens metal Ø 23.7 mm	Aluminium olive-green anodized	704.601.5	0,001 kg
 Lens metal Ø 23.7 mm	Aluminium blue anodized	704.601.6	0,001 kg
 Lens metal Ø 23.7 mm	Aluminium natural anodized	704.601.8	0,001 kg
	Stainless steel natural anodized	704.601.9	0,001 kg

Lens cap, Plastic**Additional Information**

- To obtain IP 67 use marking plate Part No. 704.608.X

Dimension	Lens cap	Part No.	Weight
 Lens cap round, 29 mm Ø 29 mm	Plastic red	704.603.2	0,003 kg
 Lens cap round, 29 mm Ø 29 mm	Plastic yellow	704.603.4	0,003 kg
 Lens cap round, 29 mm Ø 29 mm	Plastic green	704.603.5	0,003 kg
 Lens cap round, 29 mm Ø 29 mm	Plastic blue	704.603.6	0,003 kg
 Lens cap round, 29 mm Ø 29 mm	Plastic colourless	704.603.7	0,003 kg

14 Accessories

Mushroom-head cap, Plastic

Additional Information

- To obtain IP 67 use marking plate Part No. 704.609.9

Mushroom-head cap		Part No.	Weight
	Mushroom-head cap round, 40 mm		
Plastic black		704.604.0	0,001 kg
	Mushroom-head cap round, 40 mm		
Plastic red		704.604.2	0,001 kg
	Mushroom-head cap round, 40 mm		
Plastic yellow		704.604.4	0,001 kg
	Mushroom-head cap round, 40 mm		
Plastic green		704.604.5	0,001 kg

Mushroom-head cap illuminated, Plastic**Additional Information**

- To obtain IP 67 use marking plate Part No. 704.609.9

Mushroom-head cap		Part No.	Weight
	Mushroom-head cap illuminated round, 40 mm		
Plastic red		704.614.2	0,007 kg
	Mushroom-head cap illuminated round, 40 mm		
Plastic yellow		704.614.4	0,007 kg
	Mushroom-head cap illuminated round, 40 mm		
Plastic green		704.614.5	0,007 kg
	Mushroom-head cap illuminated round, 40 mm		
Plastic blue		704.614.6	0,007 kg
	Mushroom-head cap illuminated round, 40 mm		
Plastic colourless		704.614.7	0,007 kg

14 Accessories

Marking plate

Marking plate illumination	Marking plate	Part No.	Weight
 Marking plate for lens plastic and metal			
non-illuminative	black opaque	704.609.0	0,001 kg
 Marking plate for lens plastic and metal			
illuminative	colourless transparent ripped	704.609.7	0,001 kg
 Marking plate for lens plastic and metal			
illuminative	white translucent	704.609.9	0,001 kg
 Legend plate for lens plastic			
Halo illumination	white translucent	704.609.9A01	0,001 kg

Marking plate mushroom-head cap, Plastic

Marking plate illumination	Marking plate	Part No.	Weight
 Marking plate for mushroom-head cap			
illuminative	white translucent	704.609.9	0,001 kg

Marking plate lens encreased

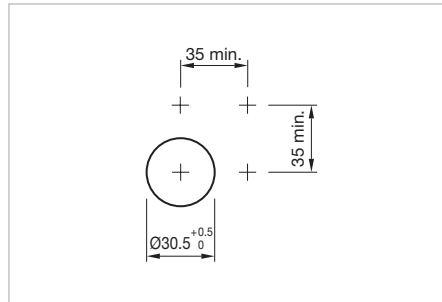
Marking cap illumination	Marking cap	Part No.	Weight
 Marking cap for lens plastic encreased			
LED	Plastic colourless ribbed	704.610.7	0,001 kg
 Marking cap for lens plastic encreased			
LED and filament lamp	Plastic white	704.610.9	0,001 kg

Marking cap for lens cap, Plastic

Marking cap illumination	Marking cap	Part No.	Weight
 Marking cap for lens cap			
LED	Plastic colourless ribbed	704.608.7	0,002 kg
 Marking cap for lens cap			
LED	Plastic white	704.608.9	0,002 kg

Front bezel set**Additional Information**

- The colour of anodized aluminium parts can vary due to technical production reasons



Mounting cut-outs [mm]

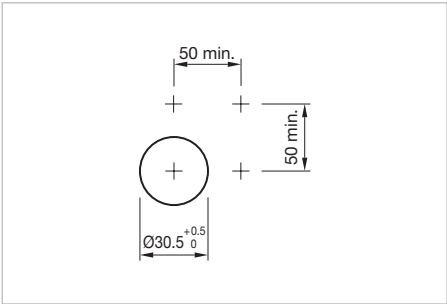
Front protection	Mounting cut-out	Front bezel	Housing	Part No.	Weight
 Front bezel set, flush design round, 35 mm					
IP67	Ø 30,5 mm	Aluminium black anodized	Plastic black	14-955.0	0,015 kg
 Front bezel set, flush design round, 35 mm					
IP67	Ø 30,5 mm	Aluminium natural anodized	Plastic black	14-955.1	0,015 kg
		Stainless-steel natural	Plastic black	14-955.9	0,033 kg

14 Accessories

Front bezel set mushroom

Additional Information

- The colour of anodized aluminium parts can vary due to technical production reasons

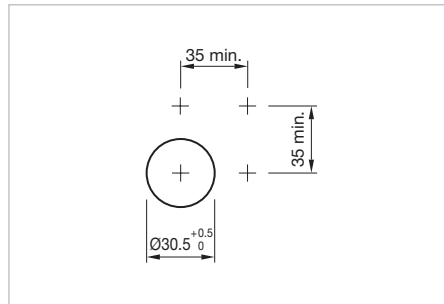


Mounting cut-outs [mm]

Front protection	Mounting cut-out	Front bezel	Housing	Part No.	Weight
					
Front bezel set for mushroom-head pushbutton, flush design round, 50 mm					
IP67	Ø 30,5 mm	Aluminium natural anodized	Plastic black	14-958.8	0,042 kg
					
Front bezel set for mushroom-head pushbutton, flush design round, 50 mm					
IP67	Ø 30,5 mm	Aluminium black anodized	Plastic black	14-958.0	0,042 kg

Front bezel set protective membrane, IP67**Additional Information**

- For Illuminated pushbutton for front protection IP 67
- Front ring to be mounted with a torque of 40 Ncm onto actuator
- Before assembling remove the flat gasket of the switch
- The colour of anodized aluminium parts can vary due to technical production reasons



Mounting cut-outs [mm]

Product attribute	Mounting cut-out	Front bezel	Housing	Part No.	Weight
	Front bezel set with protective membrane, flush design round, 35 mm				
with transparent silicone membrane	Ø 30,5 mm	Aluminium natural anodized	Plastic black	14-955.3	0,015 kg
	Front bezel set with protective membrane, flush design round, 35 mm				
with transparent silicone membrane	Ø 30,5 mm	Aluminium black anodized	Plastic black	14-955.4	0,015 kg
	Front bezel set with protective membrane, flush design round, 35 mm				
with transparent silicone membrane, resistant to sea water	Ø 30,5 mm	Stainless-steel natural	Plastic black	14-955.9E	0,033 kg

14 Accessories

Front ring

Additional Information

- The colour of anodized aluminium parts can vary due to technical production reasons

Front ring	Part No.	Weight
 Front ring round, 29 mm		
Plastic black	704.600.0	0,003 kg
 Front ring round, 29 mm		
Aluminium natural anodized	704.600.1	0,005 kg
 Front ring round, 29 mm		
Aluminium black anodized	704.600.1A	0,005 kg
 Front ring round, 29 mm		
Plastic lightgrey	704.600.6	0,003 kg
 Front ring round, 29 mm		
Stainless-steel natural	704.600.9	0,006 kg

Front ring mushroom-head pushb.**Additional Information**

- The colour of anodized aluminium parts can vary due to technical production reasons

Front ring	Part No.	Weight
 Front ring for mushroom-head pushbutton round, 29 mm Plastic black	704.600.0	0,003 kg
 Front ring for mushroom-head pushbutton round, 29 mm Aluminium natural anodized	704.600.1	0,005 kg
 Front ring for mushroom-head pushbutton round, 29 mm Aluminium black anodized	704.600.1A	0,005 kg
 Front ring for mushroom-head pushbutton round, 29 mm Plastic lightgrey	704.600.6	0,003 kg
 Front ring for mushroom-head pushbutton round, 29 mm Stainless-steel natural	704.600.9	0,006 kg

14 Accessories

Front protective cap, IP68

Additional Information

- For Indicator and Illuminated pushbutton for IP 68 protection

Product attribute	Material	Colour	Optics	Part No.	Weight
 Front protective cap					
only together with lenses Part No. 704.602.X, 704.601.X and front rings Part No. 704.600.X	Silicone	colourless	transparent	704.953.0	0,002 kg

Front protective ring, IP67

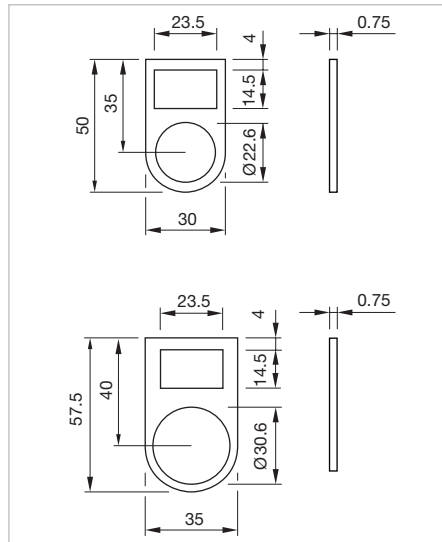
Additional Information

- For Illuminated pushbutton with front illumination for IP 67 protection
- 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
with transparent silicone membrane (extent resistant to sea water), temperature resistance -40 °C ... +85 °C	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

Legend frame**Additional Information**

- The colour of anodized aluminium parts can vary due to technical production reasons



Dimensions [mm]

Product attribute	Dimension	Material	Colour	Mounting type	Part No.	Weight
 Legend frame						
for raised design	30 x 50 x 0.75 mm	Aluminium	black anodized	self-adhesive	704.968.2	0,001 kg
for flush design	35 x 57.5 x 0.75 mm	Aluminium	black anodized	self-adhesive	704.968.3	0,001 kg

Legend plate**Additional Information**

- For legend frame Part No.704.968.2 and 704.968.3
- The colour of anodized aluminium parts can vary due to technical production reasons

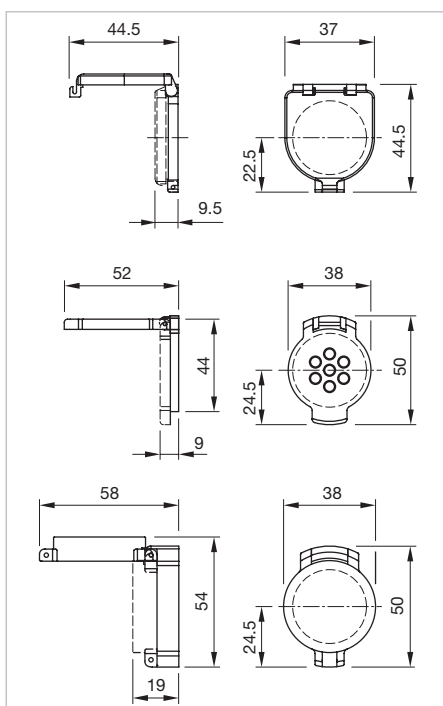
Dimension	Material	Colour	Mounting type	Part No.	Weight
 Legend plate for legend frame					
14.5 x 23.5 mm	Aluminium	natural anodized	self-adhesive	704.968.0	0,001 kg
 Legend plate for legend frame					
14.5 x 23.5 mm	Aluminium	black anodized	self-adhesive	704.968.1	0,001 kg

14 Accessories

Protective cover flush design, IP65

Additional Information

- Hinged
- Front panel thickness reduced by 2 mm
- The Dimensions [mm] of the Mounting cut-outs [mm] 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

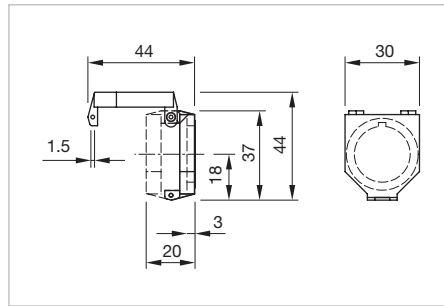


Dimensions [mm]

Product attribute	Dimension	Material	Colour	Optics	Part No.	Weight
 Protective cover round, flush design						
with means for sealing, for pushbutton with mounting cut-outs 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-outs 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 short lever with mounting cut-outs Ø 30.5 mm	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 short lever with mounting cut-outs Ø 30.5 mm	38 x 50 mm	Aluminium	natural anodized		704.928.38	0,019 kg

Protective cover raised design, IP65**Additional Information**

- hinged, with means for sealing
- Protection cover Part No. 704.925.2 only for selector switches in basic position A applicable
- Front panel thickness reduced by 3 mm
- The Dimensions [mm] of the Mounting cut-outs [mm] are shown in the product details
- Please note that bigger minimum distances are necessary



Dimensions [mm]

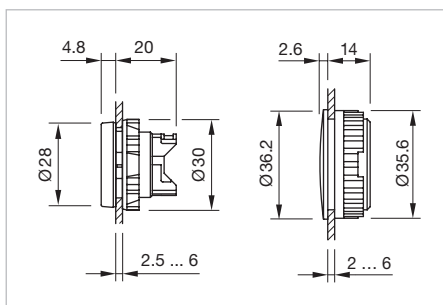
Product attribute	Mounting cut-out	Material	Optics	Part No.	Weight
 Protection cover round, raised design					
for pushbutton	Ø 22,3 mm	Plastic	transparent	704.925.0	0,007 kg
with spring fitted, for pushbutton	Ø 22,3 mm	Plastic	transparent	704.925.3	0,007 kg
 Protection cover round, raised design					
for selector switch	Ø 22,3 mm	Plastic	transparent	704.925.2	0,007 kg

14 Accessories

Blind plug, IP65

Additional Information

- The Dimensions [mm] of the Mounting cut-outs [mm] 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 22,3 mm	Plastic	black	704.960.4	0,004 kg
 Blind plug					
Ø 36 mm	Ø 30,5 mm	Plastic	black	704.964.8	0,007 kg

Spare key

Additional Information

- Standard lock KABA 1001
- Optional lock numbers on request

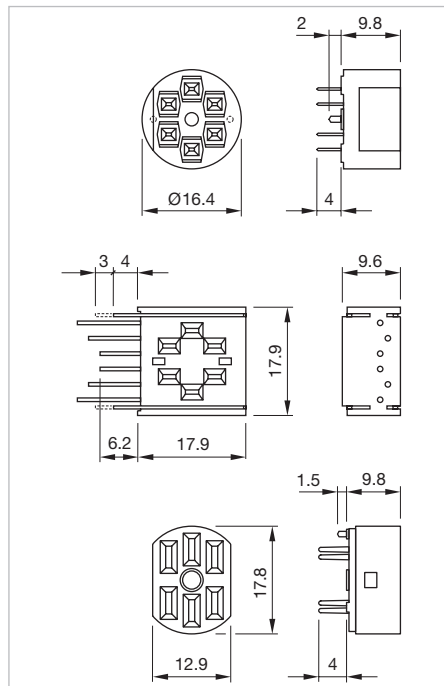
Product attribute	Part No.	Weight
 Spare key		
Standard lock KABA 1001	14-987.1001	0,006 kg

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
 PCB plug-in base					
For low level switching element	axial	PCB	31-940	3	0,002 kg
 PCB plug-in base					
For low level switching element	right-angled	PCB	31-941	1	0,004 kg
 PCB plug-in base					
For snap-action switching element 2.8 mm	axial	PCB	31-942	2	0,002 kg

The component layouts you will find from page 110

14 Accessories

Flat receptacle

Product attribute	Part No.	Weight
 Flat receptacle 2.0 x 0.5 mm plug-in terminal	31-945	0,001 kg
 Flat receptacle 2.8 x 0.5 mm plug-in terminal	31-946	0,001 kg

Insulation sleeve

Product attribute	Material	Part No.	Weight
 Insulation sleeve Cover plug-in terminals for snap-action switching element 2.8 mm	Plastic	01-928	0,001 kg
 Insulation sleeve for flat receptacle 2.0 mm	Plastic	31-928	0,001 kg
 Insulation sleeve for flat receptacle 2.8 mm	Plastic	31-929	0,001 kg

Terminal cover

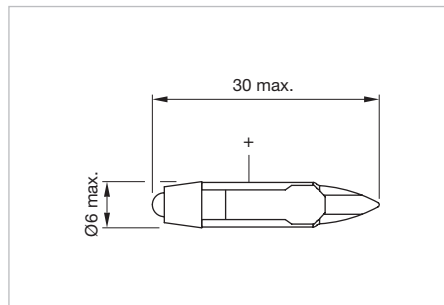
Additional Information

- For snap-action switching element

Part No.	Weight
 Terminal cover for snap-action switching element 16 01-929	0,010 kg

Illumination**Single-LED, T5.5****Additional Information**

- For LED element fitting information see «Application guidelines, LED polarity»
- 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, it is necessary to use a voltage reduction element (external series resistor or transformer)



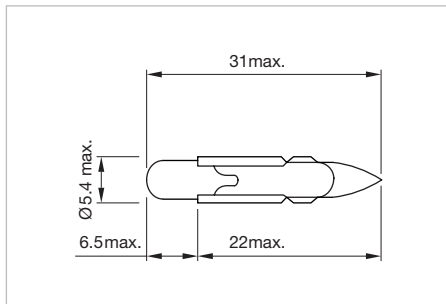
Dimensions [mm]

LED colour	Operating voltage	Operation current	Lumi. intensity	Dom. wavelength	Part No.	Weight
 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
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
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
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

14 Accessories

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

Filament lamp, T5.5



Dimensions [mm]

Operating voltage	Operation current	Part No.	Weight
 Filament lamp			
6 VAC/DC	200 mA	10-1106.1369	0,001 kg
12 VAC/DC	100 mA	10-1109.1329	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**

- Only for filament lamp 48 VAC, 25 mA
- For lamp voltage reduction
- 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)

Product attribute	Operating voltage	Resistance	Part No.	Weight
 Series resistor				
Wire resistance 2,7 kOhm	110 VAC	2,7 kOhm	02-904.0	0,003 kg
Wire resistance 3,3 kOhm	125 VAC	3,3 kOhm	02-904.1	0,003 kg
Wire resistance 4,7 kOhm	145 VAC	4,7 kOhm	02-904.3	0,003 kg
Wire resistance 10 kOhm	240 VAC	10 kOhm	02-904.7	0,003 kg

Terminal plate empty**Additional Information**

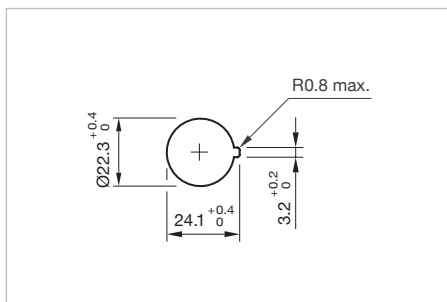
- For fitting with series resistors

Product attribute	Dimension	Part No.	Weight
 Terminal plate empty			
5 spaces	62.5 x 60 x 15 mm	02-912.1	0,025 kg
10 spaces	125 x 60 x 15 mm	02-912.2	0,045 kg
15 spaces	187.6 x 60 x 15 mm	02-912.3	0,090 kg
20 spaces	250 x 60 x 15 mm	02-912.4	0,095 kg

14 Accessories

Mounting

Positioning insert



Mounting cut-outs [mm]

Part No.	Weight
 Positioning insert	
14-910	0,001 kg

Anti-twist ring

Mounting cut-out	Material	Part No.	Weight
 Anti-twist ring, flush design			
Ø 30,5 mm	Steel sheet	704.954.0	0,002 kg

Reducing ring**Additional Information**

- You need to install two reduction rings
- For mounting of Ø 22.5 mm device into Ø 30.5 mm mounting cut-out
- The colour of anodized aluminium parts can vary due to technical production reasons

Mounting cut-out	Material	Colour	Part No.	Weight
 Reducing ring				
Ø 22,3 / Ø 30,5 mm	Aluminium	black anodized	704.960.0	0,004 kg
 Reducing ring				
Ø 22,3 / Ø 30,5 mm	Aluminium	natural anodized	704.960.8	0,004 kg

Lens plug**Additional Information**

- For mounting and dismantling of the round lens, flush design

Product attribute	Part No.	Weight
 Lens plug for round lens, flush design		
Lamp, LED and lens remover for Series 04, 14, flush design	700.006.0	0,003 kg

Lamp remover**Additional Information**

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

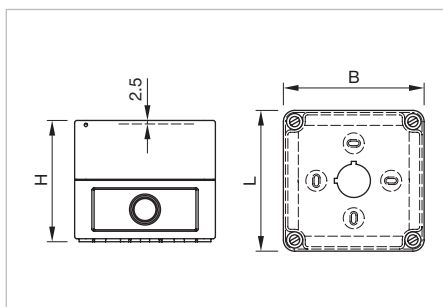
Product attribute	Part No.	Weight
 Lamp remover		
Lamp and LED remover for Series 04, 14	02-906	0,002 kg

14 Accessories

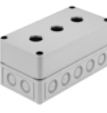
Enclosure, IP66

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-rotation device, observe the IP degree of protection for components	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-rotation device, observe the IP degree of protection for components	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-rotation device, observe the IP degree of protection for components	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-rotation device, observe the IP degree of protection for components	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-rotation device, observe the IP degree of protection for components	L 180 x B 182 x H 110 mm	Plastic	grey, similar RAL 7035	704.945.5	0,568 kg

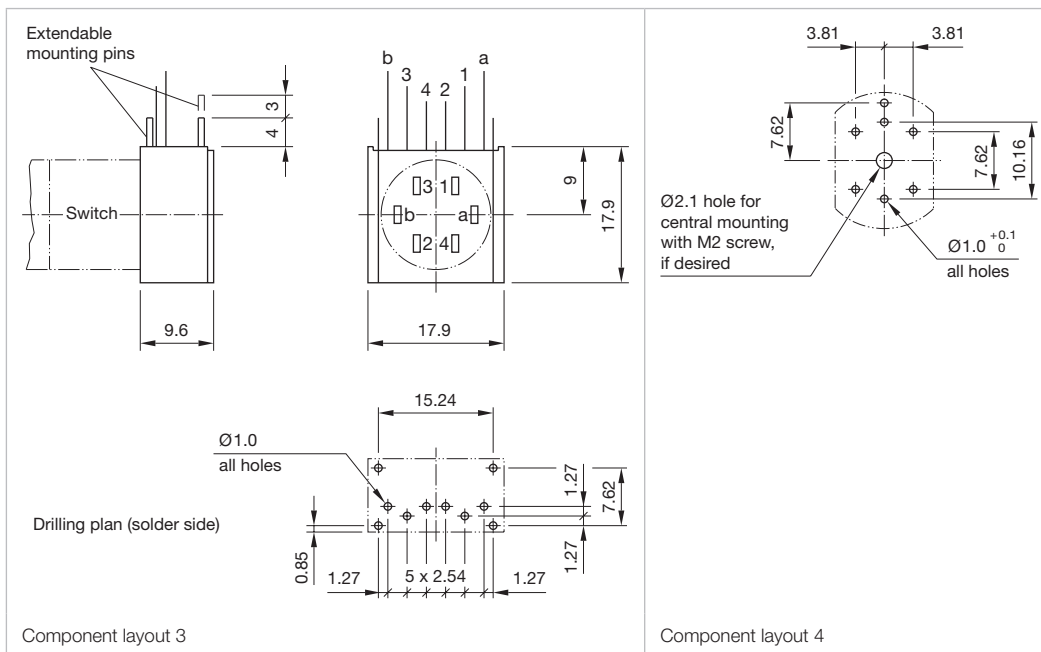
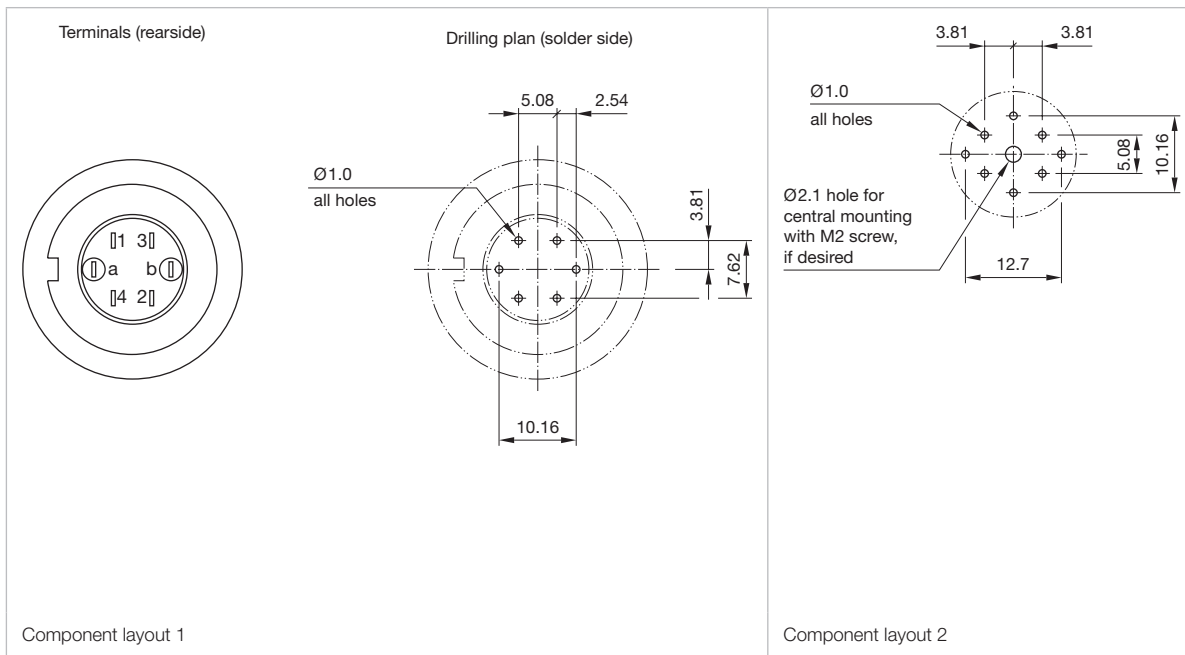
Cable gland, IP68**Additional Information**

- 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, similar RAL 7035	61-9481.6	0,007 kg
Clamping range Ø 6 ... 12 mm, thread length 9 mm	M20 x 1,5	Plastic	grey, similar RAL 7035	704.945.6	0,011 kg

14 Drawings

Drawings



Actuator with snap-action switching element

Switching system

Self-cleaning, double-break, snap action switching system (with contact gap 2 x 0.5 mm).

1 normally closed or 1 normally open contact per element.

Snap-action switching elements with soldering terminals at the sides: up to 4 switching element can be on a pushbutton (max. 4 normally closed and 4 normally open contacts).

Snap-action switching element with axial plug-in terminals 2.8 mm stackable, only 1 switching element can be on a pushbutton.

Material

Material of contact

Gold plated silver

Switch housing

Plug-in-/soldering terminal

Diallylphthalate DAP, Polyamide 66, Polysulfone, heat-resistant and self-extinguishing

Soldering terminal: PA 6.6 Ultramide

Actuator housing

Polyamide

Mechanical characteristics

Terminals

Snap-action switching element with tinned soldering terminals at the sides:

Max. wire diameter 2 wires à 1.2 mm

max. wire cross-section of stranded cable 1 x 1 mm²

Snap-action switching element with axial plug-in terminals, which can also be used as soldering terminals: Plug-in terminal 2.8 x 0.5 mm

Soldering terminal:

Max. wire diameter 2 wires of 1 mm

Max. wire cross-section of stranded cable 2 x 0.75 mm² or 1 x 1.0 mm²

Tightening torque

for fixing nut max. 25 Ncm

Actuating torque

Measured at the key or lever of the keylock- or selector switch 2.5 Ncm ... 5.5 Ncm, depending on the number of switching elements

Actuating force

Maintain 5 N ... 8 N

Momentary 3 N ... 6 N

depending on the number of switching elements

Actuating travel

Illuminated pushbutton: 3 mm

Switch actuator 2 positions:

Momentary action 1 x ca. 42° deflection momentary action

Maintained action 1 x ca. 90° deflection maintained action

Rebound time

≤ 5 ms

Mechanical lifetime

Momentary action 2 million Cycles of operation

Maintained action 1 million Cycles of operation

Electrical characteristics

Standards

The devices comply with: EN IEC 61058-1

Rated voltage

250 VAC as per EN IEC 61058-1-15

Contact resistance

New state ≤ 50 mΩ as per DIN IEC 60512-2-4

Electrostatic discharge (ESD)

Keylock switch 15 kV

Rated current

5 A

Conventional free air thermal current I_{th}

5 A

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

Switch rating

250 VAC, 5 A (cos φ 1)

250 VAC, 3 A (cos φ 0.3)

Switch rating DC (inductive) L:R = 30 ms

Voltage 24 VDC 60 VDC 110 VDC 220 VDC

Current 2 A 0.7 A 0.2 A 0.1 A

Electric strength

3000 VAC, 50 Hz, 1 min. between all terminals and earth, as per EN IEC 61058-1-15

Isolation resistance

> 7 MΩ between the open contacts at 500 VDC, as per EN IEC 61058-1-15 (reinforced insulation)

Protection class

II

Environmental conditions

Storage temperature

-40 °C ... +85 °C

Service temperature

-25 °C ... +55 °C

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

14 Technical data

Protection degree

as per EN IEC 60529
Indicator front side IP 67
Illuminated pushbutton front side IP 67
Mushroom-head pushbutton front side IP 67
Selector switch front side IP 67
Keylock switch IP 65 front side

Shock resistance

(semi-sinusoidal)
max. 150 m/s², pulse width 11 ms, 3-axis, as per
EN IEC 60068-2-27

Vibration resistance

(sinusoidal)
max. 100 m/s² at 10 Hz ... 500 Hz, as per EN IEC 60068-2-6

Climate resistance

Damp heat state as per EN IEC 60068-2-78
Damp heat cyclic as per EN IEC 60068-2-30

Approvals

Approbations

CB (IEC 61058)
CSA
CQC
ENEC (EN 61058)
Germanischer Lloyd
UL

Declaration of conformity

CE

Actuator with low level switching element

Switching system

This low level switching element was designed for switching low powers in electronic circuits. The mechanism assures reliable switching of loads ranging from a few $\mu\text{A}/\mu\text{V}$ up to 100 mA/42 VAC/DC.

Single-break momentary contact, as normally open or normally closed with 4 independent points of contact. 2 momentary contacts per switching element; combination of normally open and normally closed is possible.

Special features are the long life, extremely short rebound time and stable contact resistance.

Material

Material of contact

Gold plated

Switch housing

Polysulfone, heat-resistant and self-extinguishing

Actuator housing

Polyamide

Mechanical characteristics

Terminals

The universal terminals permit these units to be mounted on printed circuit boards (PCB). These terminals can also be used as soldering or plug-in terminals.

For these terminals we can also supply a plug-in base which, when soldered on to the board, enables the switch to be plugged in.

Soldering terminal:

Max. wire diameter 2 wires of 1 mm

Max. wire cross-section of stranded cable 2 x 0.75 mm²

Plug-in terminal: 2.0 x 0.5 mm

Tightening torque

for fixing nut max. 25 Ncm

Actuating torque

Measured at the key or lever of the keylock- or selector switch
2.5 Ncm ... 5.5 Ncm, depending on the number of switching elements

Actuating force

3 ... 4 N, depending on the number of switching elements

Actuating travel

Illuminated pushbutton: 3 mm

Switch actuator 2 positions:

Momentary action 1 x ca. 42° deflection momentary action

Maintained action 1 x ca. 90° deflection maintained action

Rebound time

typical < 100 μs

Mechanical lifetime

Momentary action 5 million cycles of operation

Maintained action 1 million cycles of operation

Electrical characteristics

Contact resistance

New state $\leq 50 \text{ m}\Omega$ as per DIN IEC 60512-2-4

Electrostatic discharge (ESD)

Keylock switch 15 kV

Switch rating

10 μA , 100 μV to 100 mA at 42 VAC/VDC

Electric strength

3000 VAC, 50 Hz, 1 min. between all terminals and earth, as per EN IEC 61058-1-15

Protection class

II

Environmental conditions

Storage temperature

-40 °C ... +85 °C

Service temperature

-25 °C ... +55 °C

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

Protection degree

as per EN IEC 60529

Indicator front side IP 67

Illuminated pushbutton front side IP 67

Mushroom-head pushbutton front side IP 67

Selector switch front side IP 67

Keylock switch IP 65 front side

Shock resistance

(semi-sinusoidal)

max. 150 m/s², pulse width 11 ms, 3-axis, as per EN IEC 60068-2-27

Buzzer

Buzzer system

System

Piezo disc

Material

Buzzer case

Polyamide

Front cap

Plastic Polyamide

Metal Nickel-plated brass (sea-water proof)

Mechanical characteristics

Terminals

Plug-in terminal 2.8 x 0.5 mm

Tightening torque

for fixing nut max. 25 Ncm

Electrical characteristics

Frequency (tone)

approx. 2.8 kHz continuous tone only

Sound pressure

95 db (A) ±8 dB at a distance of 0.1 m

Operation Voltage/Current

Operation Voltage 24 VDC ±10 %

Operation Current ≤ 25 mA

Environmental conditions

Storage temperature

-40 °C ... +85 °C

Operating temperature

-25 °C ... +55 °C

Protection degree

as per EN IEC 60529

Buzzer front side IP 65

Approvals

Approbations

CQC

EMC

Declaration of conformity

CE

14 Technical data

Indicator compact

Material

Lens cap

Polyamide (PA)

Housing

Polyamide (PA)

Mechanical characteristics

Terminals

PIT push-in terminal

Stripping 8 mm

Wire cross-section:

Wire 0.2 to 1.0 mm²

Stranded wire 0.2 to 1.0 mm² without core and sleeve

Stranded wire 0.2 to 0.75 mm² with core and sleeve

Tightening torque

for fixing nut min. 0.8 Nm

Protection degree

as per EN IEC 60529

IP65, IP67, IP69K front side

IP20 rear side

Shock resistance

(semi-sinusoidal)

max. 300 m/s², puls width 18 ms, as per EN IEC 60068-2-27

Vibration resistance

(sinusoidal)

max. 100 m/s² at 10 Hz ... 500 Hz, as per EN IEC 60068-2-6

Electrical characteristics

Operation Voltage

24 VAC/DC (14...32 VAC/DC)

Operating current

< 50 mA

lifetime

50 000 h

Environmental conditions

Climatic conditions

Damp heat, constant

56 days, +40 °C/93 % relative humidity

as per EN 60068-2-78

Rapid temperature changes

5 cycles, -40 °C to +85 °C, as per EN 60068-2-14

Operating temperature

-25 °C to +60 °C

Storage temperature

-40 °C to +85 °C

Approvals

Approbations

UL (follows)

Declaration of conformity

CE

EAO reserves the right to alter specifications without further notice.

General notes

1. Engraving

In addition to the most commonly used world languages, in DIN1451-3 close spacing, other typefaces are available as Scandinavian, Slavic, Greek, Russian and Polish. The engraved marking caps and plates are filled with black or white colour. Standard height of letters is 3 mm. If the height is not specified, we will supply 3 mm engraved letters.

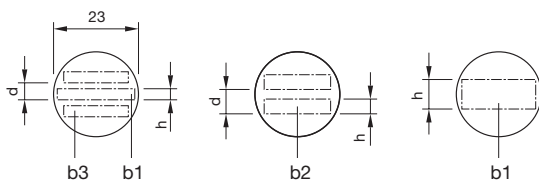
2. Hot stamping

Standard legends and ISO symbols are hot stamped. For larger series it is worth considering markings by means of hot stamping. We will be pleased to advise you.

Engraving marking cap for Indicator round, full face illumination

All dimensions in mm

Height of letters	Number of lines	Number of letters per line (target value)			Line spacing
h		b1	b2	b3	d
3	3	11	10	9	4.6
4	2	8	7	–	6.6
8	1	4	–	–	–

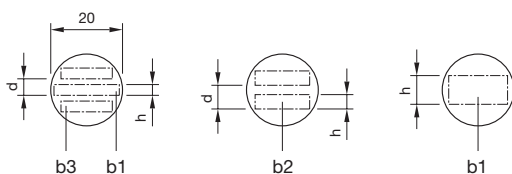


The gap between two words results in each case a letter less.

Engraving marking cap for Indicator and illuminated Pushbutton round, front illumination

All dimensions in mm

Height of letters	Number of lines	Number of letters per line (target value)			Line spacing
h		b1	b2	b3	d
3	3	9	9	7	4.6
4	2	7	6	–	6.6
8	1	3	–	–	–



The gap between two words results in each case a letter less.

14 Marking

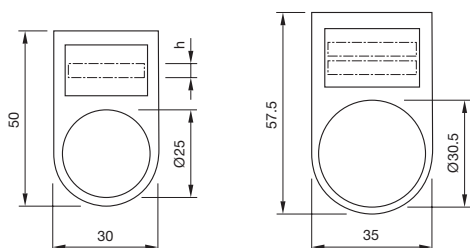
Engraving legend plates

All dimensions in mm

Dimension	Devices mounting style	Height of letters	Number of lines	Number of letters per line (target value)	Image
		h			
30 x 50	round, raised	3	2	12	B1
30 x 50	round, raised	4	1	7	B1
30 x 50	round, raised	8	1	4	B1
35 x 57.5	round, flush	3	2	12	B2
35 x 57.5	round, flush	4	1	7	B2
35 x 57.5	round, flush	8	1	4	B2

B1

B2



The gap between two words results in each case a letter less.

Standard texts for marking plates and marking caps for Indicator and Illuminated Pushbutton

Height of letters 6 mm

I Part No. 704.609.912001	II Part No. 704.609.912002	III Part No. 704.609.912003	O Part No. 704.609.912004
EIN Part No. 704.609.912005	AUS Part No. 704.609.912006	AUF Part No. 704.609.912007	AB Part No. 704.609.912008
START Part No. 704.609.912009	STOP Part No. 704.609.912010	HAND Part No. 704.609.912011	AUTO Part No. 704.609.912012
ZU Part No. 704.609.912013	ON Part No. 704.609.912014	OFF Part No. 704.609.912015	ARRET Part No. 704.609.912016
MARCHE Part No. 704.609.912017	RESET Part No. 704.609.912018		

Symbols for marking plates and marking caps for Indicator and Illuminated Pushbutton

All marking plates with the printed article-numbers are available for flat lenses, marking cap only on request.

 Part No. 704.609.910001 Direction of linear rectilinear motion (also for → ↓ ↑)	 Part No. 704.609.910002 Linear motion in 2 directions (also for ↓)	 Part No. 704.609.910004 Limited linear motion (also for ← ↑ ↓)	 Part No. 704.609.910007 Direction of continuous rotation (right)
 Part No. 704.609.9100071 Direction of continuous rotation (left)	 Part No. 704.609.910008 Rotation in 2 directions	 Part No. 704.609.910009 Direction of interrupted rotation (right)	 Part No. 704.609.910010 Limited rotation (right)
 Part No. 704.609.9100101 Limited rotation (left)	 Part No. 704.609.910013 Direction of spindle rotation	 Part No. 704.609.910026 Rapid traverse	 Part No. 704.609.910028 Increase of value (speed, for instance)
 Part No. 704.609.910029 Decrease of value (speed, for instance)	 Part No. 704.609.910041 Electric motor	 Part No. 704.609.910048 Pump (general symbol)	 Part No. 704.609.9100631 Lock or tighten
 Part No. 704.609.9100632 Lock or tighten	 Part No. 704.609.9100641 Unlock, unclamp	 Part No. 704.609.9100642 Unlock, unclamp	 Part No. 704.609.910065 Brake on
 Part No. 704.609.910066 Brake off	 Part No. 704.609.910067 Automatic (or semi-automatic) cycle	 Part No. 704.609.910068 Hand control	 Part No. 704.609.910069 Start, on
 Part No. 704.609.910070 Stop, off	 Part No. 704.609.910071 Start and stop with same button	 Part No. 704.609.910072 In action as long as button is operated	 Part No. 704.609.910074 Engaging (mechanical start)
 Part No. 704.609.910075 Disengaging (mechanical stop)	 Part No. 704.609.910092 Danger (high voltage)!	 Part No. 704.609.910093 Caution!	 Part No. 704.609.910101 Coolant fluid
 Part No. 704.609.910102 Machine lighting	 Part No. 704.609.910108 Blast		

14 Application guidelines

Suppressor circuits

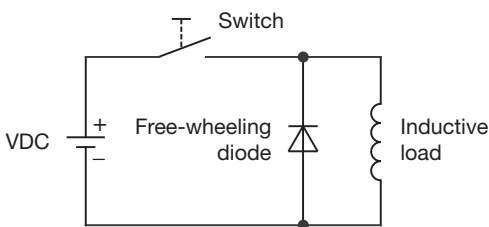
When switching inductive loads such as relays, DC motors, and DC solenoids, it is always important to absorb surges (e.g. with a diode) to protect the contacts. When these inductive loads are switched off, a counter emf can severely damage switch contacts and greatly shorten lifetime.

Fig. 1 shows an inductive load with a free-wheeling diode connected in parallel. This free-wheeling diode provides a path for the inductor current to flow when the current is interrupted by the switch. Without this free-wheeling diode, the voltage across the coil will be limited only by dielectric breakdown voltages of the circuit or parasitic elements of the coil. This voltage can be kilo-volts in amplitude even when nominal circuit voltages are low (e.g. 12VDC) see Fig. 2.

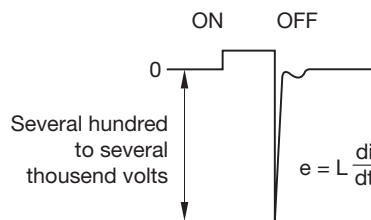
The free-wheeling diode should be chosen so that the reverse breakdown voltage is greater than the voltage driving the inductive load. The DC blocking voltage (V_R) of the free-wheeling diode can be found in the datasheet of a diode. The forward current should be equal or greater than the maximum current flowing through the load.

To get an efficient protection, the free-wheeling diode must be connected as close as possible to the inductive load!

Switching with inductive load
Fig. 1

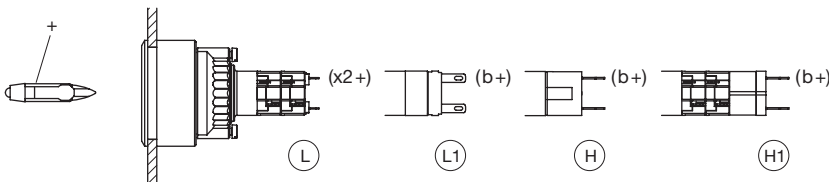


Counter EMF
over load without free-wheeling diode
Fig. 2



LED polarity

When fitting the LED elements the polarity has to correspond with the respective terminals, (+) goes to +.



L = Solder terminal, L1 = Solder terminal 2.0 x 0.5 mm
H = Universal terminal, H1 = Universal-Solder terminal

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01-929	102	14-133.0252	67	14-411.036K	35	14-501.0220	80	704.600.1	94	704.960.4	100
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02-904.1	105	14-133.0252	74	14-412.036K	35	14-501.02502	81	704.600.1A	94	704.964.8	100
02-904.3	105	14-134.0252	26	14-412.036K	77	14-502.02502	41	704.600.1A	95	704.968.0	97
02-904.7	105	14-134.0252	28	14-414.036K	35	14-502.02502	81	704.600.2	96	704.968.1	97
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10-2109.1064	103	14-142.025K2	36	14-432.036	73	14-522.0360	40	704.601.9	86	K14-040.110091	44
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14-060.907	51	14-273.0252	26	14-472.036	66	14-810.918	10	704.611.7	84	K14-040.1201051	4
14-131.022	25	14-273.0252	28	14-472.036	70	14-910	106	704.614.2	89	K14-040.1201052	5
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14-131.022	67	14-273.0252	71	14-473.036	28	14-955.3	93	704.614.6	89	K14-040.1201071	4
14-131.022	71	14-273.0252	74	14-473.036	30	14-955.4	93	704.614.7	89	K14-040.1201072	5
14-131.022	74	14-274.0252	26	14-473.036	66	14-955.9	91	704.925.0	99	K14-040.1201081	5
14-131.0252	25	14-274.0252	28	14-473.036	70	14-955.9E	93	704.925.2	99	K14-040.1201082	6
14-131.0252	28	14-274.0252	31	14-473.036	73	14-958.0	92	704.925.3	99	K14-040.1201091	5
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14-131.0252	67	14-274.0252	71	14-475.036	28	14-987.1001	100	704.928.18	98	K14-040.1201101	4
14-131.0252	71	14-274.0252	75	14-475.036	30	31-928	102	704.928.28	98	K14-040.1201102	5
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