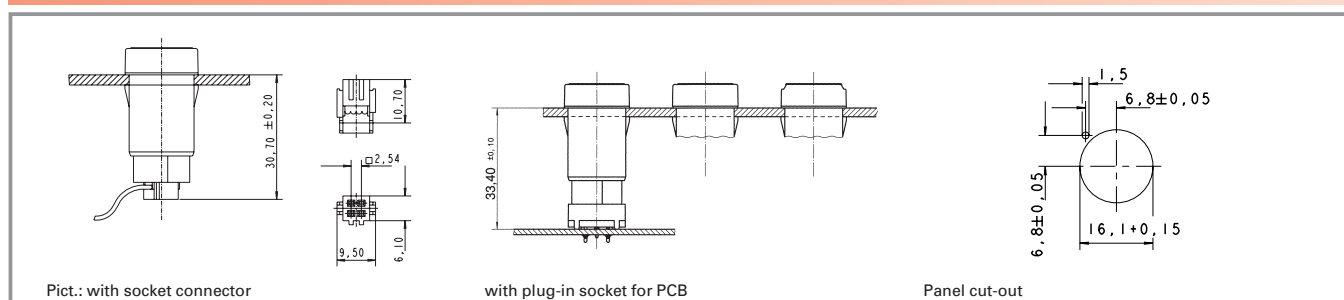


1

**LUMOTAST FK illuminated pushbutton, 42 V/100 mA**



Pict.: with socket connector

with plug-in socket for PCB

Panel cut-out

LUMO  
FK

**Technical data**

**General information**

Actuator	flat lens
Colour of mushroom	see order block
Form of collar	see order block

**Dimensions**

Length of collar	see order block
Width of collar	see order block
Diameter of collar	see order block
Overall height	6.6 mm
Mounting depth with connector	30.7 mm
Mounting depth with plug-in socket	33.4 mm
Mounting hole	16.2 mm

**Mechanical design**

Mounting	click quick connection
Terminals	pin connector 4-pol./ plug-in socket
Contact system	snap-action contact
Contact function	momentary
Contact arrangement	1 NO
Contact materials	Au
Illuminability	yes
Lamp socket	Bi-Pin T 1/T 1 <sup>9</sup>

**Mechanical characteristics**

Operating force max.	6 N
Operating travel	3 mm
Switching travel	1.9 mm
Robustness min.	100 N

**Electrical characteristics**

Rated voltage AC/DC max.	42 V
Rated voltage AC/DC min.	0.02 V
Rated current AC/DC max.	100 mA
Rated current AC/DC min.	0.01 mA
Contact resistance acc. to life max.	300 mΩ
Contact resistance when new max.	100 mΩ
Bouncing time max.	5 ms

**Other specifications**

Operating life	1000000
Degree of protection from front side	IP65
Ambient temp. operating min.	-25 °C
Ambient temp. operating without lamp max.	+70 °C
Ambient temp. operating with lamp max.	+55 °C
Storage temperature min.	-40 °C
Storage temperature max.	+80 °C
Resistance to constant environment	according to IEC 600 68-2-3 and 2-30
Resistance at variable environment	according to IEC 60068-2-14 and 2-33
Weight	6 g

**Typical accessories LUMOTAST FK illuminated pushbutton, 42 V/100 mA**

Description	Photo	Order no.	Additional accessories see page
Filament lamp, Bi-Pin T 1¼ base, 12 V		<b>1.90.180.474/0000</b>	5 - 5
Filament lamp, Bi-Pin T 1¼ base, 28 V		<b>1.90.180.475/0000</b>	5 - 5
LED Bi-Pin T 1 superbright, red, 24 V		<b>1.90.690.351/0000</b>	5 - 15
LED Bi-Pin T 1 superbright, green, 24 V		<b>1.90.690.352/0000</b>	5 - 15

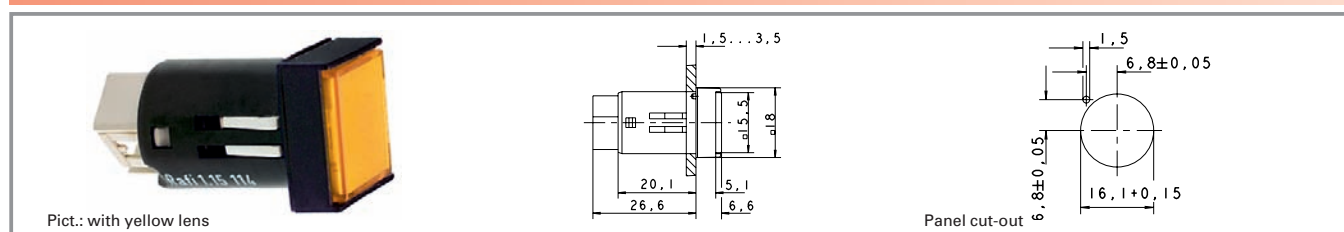
## Typical accessories LUMOTAST FK illuminated pushbutton, 42 V/100 mA

Description	Photo	Order no.	Additional accessories see page
LED Bi-Pin T 1 superbright, yellow, 24 V		<b>1.90.690.353/0000</b>	5 - 15
LED Bi-Pin T 1 superbright, blue, 24 V		<b>1.90.690.354/0000</b>	5 - 15
LED Bi-Pin T 1 superbright, white, 24 V		<b>1.90.690.355/0000</b>	5 - 15
LED Bi-Pin T 1, red, 3 V		<b>1.90.691.026/0000</b>	5 - 15
LED Bi-Pin T 1, green, 3 V		<b>1.90.691.027/0000</b>	5 - 15
LED Bi-Pin T 1, yellow, 3 V		<b>1.90.691.028/0000</b>	5 - 15
Plug-in socket for PCB		<b>5.00.645.036/0000</b>	5 - 23
Cable (flat ribbon cable 10 cm with socket connector and male quick connector, AMP 4-pin)		<b>5.03.771.306/0000</b>	5 - 22
Disassembly tool for LUMOTAST FK		<b>5.05.800.041/0000</b>	5 - 22
Flat ribbon cable, 4-wire, 1 m long		5.37.700.124/0000	5 - 23
Socket connector, 4-pin		<b>5.92.025.368/0000</b>	5 - 22

1

LUMO  
FK

## LUMOTAST FK illuminated pushbutton, square collar, 42 V/100 mA



Contact function	Contact arrangement	Order no. without lens	Note
momentary	1 NO	<b>1.15.114.906/0000</b>	Please include the desired lens in your order.

Technical data see page 1 - 12

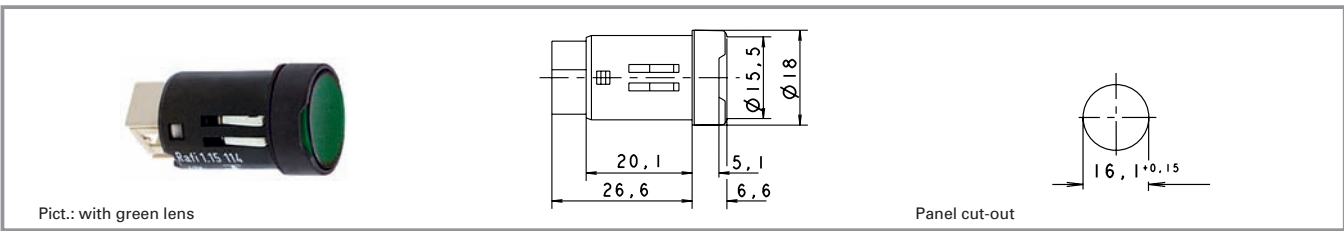
### Lenses:

- Lens, square, transparent colourless: **5.49.075.015/1002**
- Lens, square, transparent red: **5.49.075.015/1306**
- Lens, square, transparent yellow: **5.49.075.015/1403**
- Lens, square, transparent green: **5.49.075.015/1505**
- Lens, square, transparent blue: **5.49.075.015/1607**

A notch on the lamp socket identifies the cathode side.

1

**LUMOTAST FK illuminated pushbutton, round collar, 42 V/100 mA**



Contact function	Contact arrangement	Order no. without lens	Note
momentary	1 NO	<b>1.15.114.936/0000</b>	Please include the desired lens in your order.

Technical data see page 1 - 12

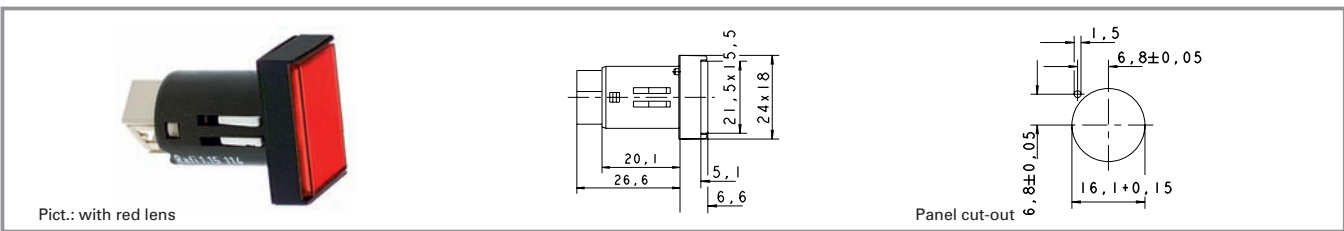
**Lenses:**

- Lens, round, transparent colourless: **5.49.075.016/1002**
- Lens, round, transparent red: **5.49.075.016/1306**
- Lens, round, transparent yellow: **5.49.075.016/1403**
- Lens, round, transparent green: **5.49.075.016/1505**
- Lens, round, transparent blue: **5.49.075.016/1607**

A notch on the lamp socket identifies the cathode side.

LUMO  
FK

**LUMOTAST FK illuminated pushbutton, rectangular collar, 42 V/100 mA**



Contact function	Contact arrangement	Order no. without lens	Note
momentary	1 NO	<b>1.15.114.966/0000</b>	Please include the desired lens in your order.

Technical data see page 1 - 12

**Lenses:**

- Lens, rectangular, transparent colourless: **5.49.075.017/1002**
- Lens, rectangular, transparent red: **5.49.075.017/1306**
- Lens, rectangular, transparent yellow: **5.49.075.017/1403**
- Lens, rectangular, transparent green: **5.49.075.017/1505**
- Lens, rectangular, transparent blue: **5.49.075.017/1607**

A notch on the lamp socket identifies the cathode side.