

**General data**

**LUMOTAST 75 IP40 pushbutton range**

Illuminated pushbuttons, signal lamps and keylock switches

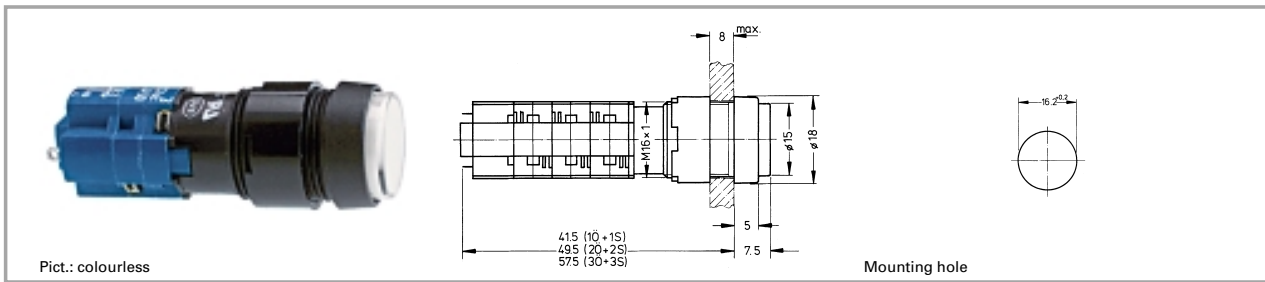
- Mounting hole diameter 16.2 mm
- Degree of protection IP40
- Solder terminals for the following wire cross-sections:
  - Installed 0.5 mm<sup>2</sup> max.
  - Factory terminated 0.35 mm<sup>2</sup> max.
- 250 V/4 A max.
- 3 NC + 3 NO max.
- Lamp socket T 4.5

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### LUMOTAST 75 illuminated pushbutton IP40



### Technical data

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75 (40)

#### General information

Form of lens see order block  
Form of collar see order block  
Colour 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 7.5 mm  
Mounting depth 41,5/49,5/57,5 mm  
Mounting hole 16.2 mm

#### Mechanical design

Mounting ring nut  
Terminals solder terminals, tin-plated  
Contact system snap-action bridge contact  
Contact function see order block  
Contact arrangement see order block  
Contact materials Ag  
Illuminability yes  
Lamp socket T 4.5

#### Mechanical characteristics

Operating force max. 3 ... 6.5 N  
Operating travel 2.7 mm  
Switching travel NC 1.6 mm  
Switching travel NO 0.9 mm  
Robustness min. 100 N

#### Electrical characteristics

Rated voltage AC max. 250 V  
Rated voltage DC max. 220 V  
Rated voltage AC/DC min. 12 V

Rated current AC max. 4 A  
Rated current DC max. 0.2 A  
Rated current AC/DC min. 5 mA  
Contact resistance acc. to life max. 200 mΩ  
Protection class II

#### Other specifications

Operating life, at 250 V/2 A (operations) 200000 (momentary)  
Operating life, at 250 V/4 A (operations) 60000 (momentary), 10000 (latching)

Degree of protection from front side IP40  
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 600 68-2-14 and 2-33  
Approvals ENEC 25 T 55 (70), UL, CSA

Flame class acc. to UL 94 V 1  
Hot wire ignition acc. to IEC 695-2-1 yes

### Accessories LUMOTAST 75 illuminated pushbutton IP40

Description	Photo	Order no.	Page
Filament lamp, T 4.5 base, 12 V		<b>1.90.100.022/0000</b>	5 - 6
Filament lamp, T 4.5 base, 24 V		<b>1.90.100.023/0000</b>	5 - 6

**Accessories LUMOTAST 75 illuminated pushbutton IP40**

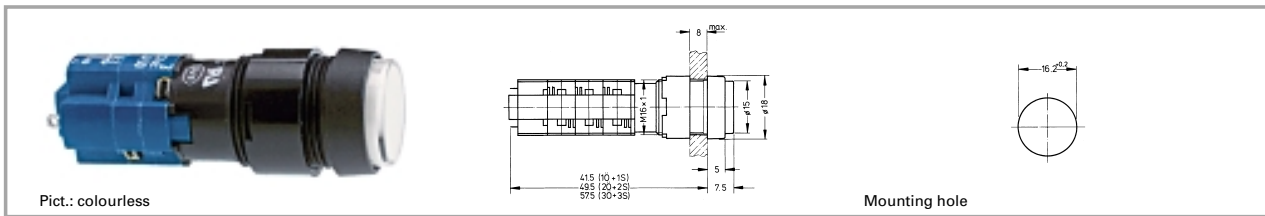
Description	Photo	Order no.	Page
LED T 4.5 superbright, red, 24 V		<b>1.90.690.331/0000</b>	5 - 20
LED T 4.5 superbright, green, 24 V		<b>1.90.690.332/0000</b>	5 - 20
LED T 4.5 superbright, yellow, 24 V		<b>1.90.690.333/0000</b>	5 - 20
LED T 4.5 superbright, blue, 24 V		<b>1.90.690.334/0000</b>	5 - 20
LED T 4.5 superbright, white, 24 V		<b>1.90.690.335/0000</b>	5 - 20
LED T 4.5, red, 3 V		<b>1.90.692.001/0000</b>	5 - 19
LED T 4.5, green, 3 V		<b>1.90.692.002/0000</b>	5 - 19
LED T 4.5, yellow, 3 V		<b>1.90.692.003/0000</b>	5 - 19
Lamp extractor for T 4.5/5.5, lamp diameter 4 mm		<b>1.90.900.002/0000</b>	5 - 24
Lamp extractor for lamp diameter 5-6 mm		<b>1.90.900.004/0000</b>	5 - 24
Protective cap (for 18 x 24 collar)		5.05.800.027/0000	5 - 30
Blanking cap, black, to cover spare holes, dimensions 18 x 18 mm		5.52.006.020/0103	5 - 33
Blanking cap, black, to cover spare holes, dimensions 18 x 24 mm		5.52.006.021/0100	5 - 33
Blanking cap, black, to cover spare holes, round 18 mm		5.52.006.022/0100	5 - 33
Fixing spanner M 15, M 16		<b>5.58.002.019/0105</b>	5 - 25

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### LUMOTAST 75 illuminated pushbutton IP40, protruding lens, round collar



Contact arrangement	Contact function	Colour of collar	Order no. without lens	Note
1 NC + 1 NO	momentary	black	<b>1.15.108.451/0000</b>	Please include the desired lens and diffuser in your order.
1 NC + 1 NO	latching	black	<b>1.15.108.551/0000</b>	Please include the desired lens and diffuser in your order.
2 NC + 2 NO	momentary	black	1.15.108.452/0000	Please include the desired lens and diffuser in your order.
2 NC + 2 NO	latching	black	1.15.108.552/0000	Please include the desired lens and diffuser in your order.
3 NC + 3 NO	momentary	black	1.15.108.453/0000	Please include the desired lens and diffuser in your order.
3 NC + 3 NO	latching	black	1.15.108.553/0000	Please include the desired lens and diffuser in your order.

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Lens, round, transparent colourless, for filament lamp or LED: **5.49.257.011/1002**

Lens, round, transparent red, for LED: **5.49.257.011/1301**

Lens, round, transparent red, for filament lamp: **5.49.257.011/1303**

Lens, round, transparent yellow, for filament lamp or LED: **5.49.257.011/1402**

Lens, round, transparent green, for filament lamp: **5.49.257.011/1502**

Lens, round, transparent green, for LED: **5.49.257.011/1503**

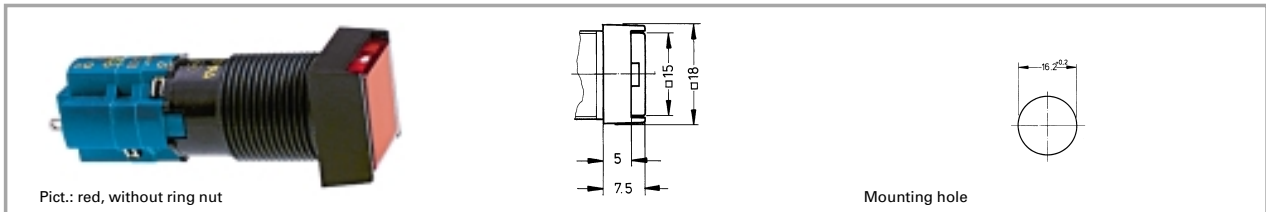
Lens, round, transparent blue, for filament lamp: **5.49.257.011/1601**

#### Accessories:

Diffuser, round, for filament lamp, without legend: **5.72.050.000/0202**

Diffuser, round, for LED, without legend: **5.72.050.000/0214**

**LUMOTAST 75 illuminated pushbutton IP40, flush lens, square collar**



Pict.: red, without ring nut

Mounting hole

Contact arrangement	Contact function	Colour of collar	Order no. without lens	Note
1 NC + 1 NO	momentary	black	<b>1.15.108.251/0000</b>	Please include the desired lens and diffuser in your order.
1 NC + 1 NO	latching	black	<b>1.15.108.351/0000</b>	Please include the desired lens and diffuser in your order.
2 NC + 2 NO	momentary	black	1.15.108.252/0000	Please include the desired lens and diffuser in your order.
2 NC + 2 NO	latching	black	1.15.108.352/0000	Please include the desired lens and diffuser in your order.
3 NC + 3 NO	momentary	black	1.15.108.253/0000	Please include the desired lens and diffuser in your order.
3 NC + 3 NO	latching	black	1.15.108.353/0000	Please include the desired lens and diffuser in your order.

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Technical data see page 1 - 38

- Lens, square, transparent colourless, for filament lamp or LED: **5.49.275.036/1002**
- Lens, square, transparent red, for LED: **5.49.275.036/1301**
- Lens, square, transparent red, for filament lamp: **5.49.275.036/1303**
- Lens, square, transparent yellow, for filament lamp or LED: **5.49.275.036/1402**
- Lens, square, transparent green, for filament lamp: **5.49.275.036/1502**
- Lens, square, transparent green, for LED: **5.49.275.036/1503**
- Lens, square, transparent blue, for filament lamp: **5.49.275.036/1601**

**Accessories:**

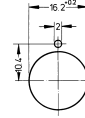
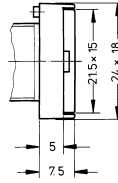
- Sealing cap IP65 (for 18 x 18 collar): 5.05.200.009/0000
- Protective cap (for 18 x 18 collar): 5.05.800.030/0000
- Diffuser, square, for filament lamp, without legend: **5.73.013.000/0202**
- Diffuser, square, for LED, without legend: **5.73.013.000/0214**

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### LUMOTAST 75 illuminated pushbutton IP40, flush lens, rectangular collar



Pict.: green



Contact arrangement	Contact function	Colour of collar	Order no. without lens	Note
1 NC + 1 NO	momentary	black	<b>1.15.108.051/0000</b>	Please include the desired lens and diffuser in your order.
1 NC + 1 NO	latching	black	<b>1.15.108.151/0000</b>	Please include the desired lens and diffuser in your order.
2 NC + 2 NO	momentary	black	1.15.108.052/0000	Please include the desired lens and diffuser in your order.
2 NC + 2 NO	latching	black	1.15.108.152/0000	Please include the desired lens and diffuser in your order.
3 NC + 3 NO	momentary	black	1.15.108.053/0000	Please include the desired lens and diffuser in your order.
3 NC + 3 NO	latching	black	1.15.108.153/0000	Please include the desired lens and diffuser in your order.

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Technical data see page 1 - 38

Lens, rectangular, transparent colourless, for filament lamp or LED: **5.49.275.032/1002**

Lens, rectangular, transparent red, for LED: **5.49.275.032/1301**

Lens, rectangular, transparent red, for filament lamp: **5.49.275.032/1303**

Lens, rectangular, transparent yellow, for filament lamp or LED: **5.49.275.032/1402**

Lens, rectangular, transparent green, for filament lamp: **5.49.275.032/1502**

Lens, rectangular, transparent green, for LED: **5.49.275.032/1503**

Lens, rectangular, transparent blue, for filament lamp: **5.49.275.032/1601**

#### Accessories:

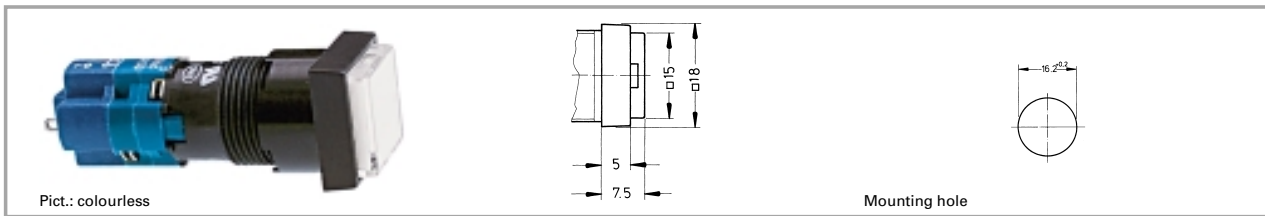
Sealing cap IP65 (for 18 x 24 collar): 5.05.200.008/0000

Protective cap (for 18 x 24 collar): 5.05.800.027/0000

Diffuser, rectangular, for filament lamp, without legend: **5.73.012.000/0202**

Diffuser, rectangular, for LED, without legend: **5.73.012.000/0214**

**LUMOTAST 75 illuminated pushbutton IP40, protruding lens, square collar**



Pict.: colourless

Mounting hole

Contact arrangement	Contact function	Colour of collar	Order no. without lens	Note
1 NC + 1 NO	momentary	black	1.15.108.256/0000	Please include the desired lens and diffuser in your order.
1 NC + 1 NO	latching	black	1.15.108.356/0000	Please include the desired lens and diffuser in your order.
2 NC + 2 NO	momentary	black	1.15.108.257/0000	Please include the desired lens and diffuser in your order.
2 NC + 2 NO	latching	black	1.15.108.357/0000	Please include the desired lens and diffuser in your order.
3 NC + 3 NO	momentary	black	1.15.108.258/0000	Please include the desired lens and diffuser in your order.
3 NC + 3 NO	latching	black	1.15.108.358/0000	Please include the desired lens and diffuser in your order.

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Lens, square, transparent colourless, for filament lamp or LED: **5.49.275.036/1002**

Lens, square, transparent red, for LED: **5.49.275.036/1301**

Lens, square, transparent red, for filament lamp: **5.49.275.036/1303**

Lens, square, transparent yellow, for filament lamp or LED: **5.49.275.036/1402**

Lens, square, transparent green, for filament lamp: **5.49.275.036/1502**

Lens, square, transparent green, for LED: **5.49.275.036/1503**

Lens, square, transparent blue, for filament lamp: **5.49.275.036/1601**

**Accessories:**

Sealing cap IP65 (for 18 x 18 collar): 5.05.200.009/0000

Protective cap (for 18 x 18 collar): 5.05.800.030/0000

Diffuser, square, for filament lamp, without legend: **5.73.013.000/0202**

Diffuser, square, for LED, without legend: **5.73.013.000/0214**

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### LUMOTAST 75 keylock switch IP40



Mounting hole

### Technical data

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#### General information

Form of lens	see order block
Colour of collar	see order block
Form of collar	see order block

#### Dimensions

Length of collar	see order block
Diameter of collar	see order block
Width of collar	see order block
Overall height (without key)	7.5 mm
Mounting depth	see order block
Mounting hole	16.2 mm

#### Mechanical design

Mounting	ring nut
Terminals	solder terminals, tin-plated
Contact system	snap-action bridge contact
Contact function	see order block
Contact arrangement	see order block
Contact materials	Ag
Illuminability	no
Lock	cylinder lock
Wafers	4 pins
Lock type	1D 21
Number of locking positions	45
Main key	no
Symmetric key	no
Key removal position	see order block

#### Mechanical characteristics

Rotating angle	see order block
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#### Electrical characteristics

Rated voltage AC max.	250 V
Rated voltage DC max.	220 V
Rated voltage AC/DC min.	12 V
Rated current AC max.	4 A
Rated current DC max.	0.02 A
Rated current AC/DC min.	5 mA
Contact resistance acc. to life max.	200 mΩ
Bouncing time max.	10 ms
ESD-strength min.	14 kV

#### Other specifications

Operating life, at 250 V/2 A (operations)	50000 (momentary)
Operating life, at 250 V/4 A (operations)	50000 (momentary)
Degree of protection from front side	IP40
Ambient temp. operating min.	-25 °C
Ambient temp. operating max.	+70 °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 600 68-2-14 and 2-33
Weight max.	35 g
Approvals	ENEC 25 T 55 (70), UL, CSA
Flame class acc. to UL 94	V 1
Hot wire ignition acc. to IEC 695-2-1	yes

### Accessories LUMOTAST 75 keylock switch IP40

Description	Photo	Order no.	Page
Blanking cap, black, to cover spare holes, dimensions 18 x 24 mm		5.52.006.021/0100	5 - 33
Blanking cap, black, to cover spare holes, round 18 mm		5.52.006.022/0100	5 - 33

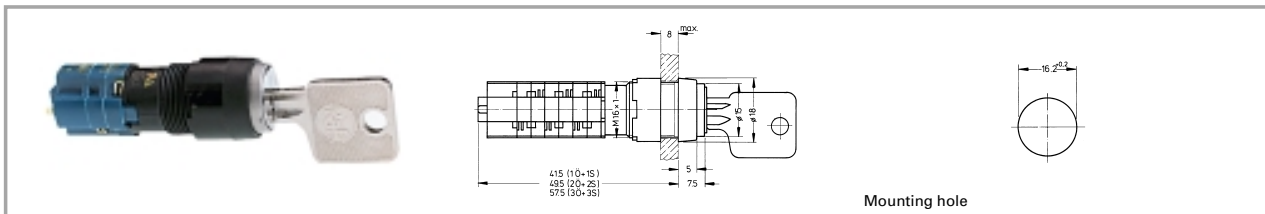


**Accessories LUMOTAST 75 keylock switch IP40**

Description	Photo	Order no.	Page
Fixing spanner M 15, M 16		<b>5.58.002.019/0105</b>	5 - 25
Spare key for LUMO 75		5.58.002.030/0000	
Key cap for LUMO 75		5.58.004.721/0000	

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**LUMOTAST 75 keylock switch IP40, round collar**



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Contact arrangement	Contact function	Rotating angle	Key removal position	Colour of collar	Order no. complete
1 NC + 1 NO	latching	90°	0	black	<b>1.15.108.851/0000</b>
1 NC + 1 NO	latching	90°	0+1	black	1.15.108.911/0000
1 NC + 1 NO	momentary	45°	0	black	1.15.108.941/0000
2 NC + 2 NO	latching	90°	0	black	1.15.108.852/0000
2 NC + 2 NO	latching	90°	0+1	black	1.15.108.912/0000

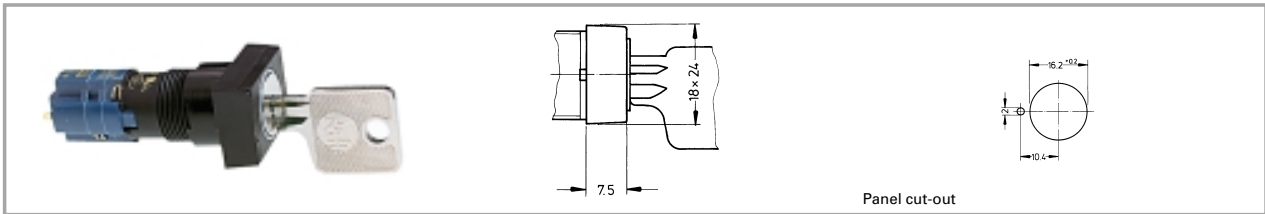
Technical data see page 1 - 44

Included: 2 keys.

Other lock variants and contacts available on request.

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### LUMOTAST 75 keylock switch IP40, rectangular collar



Contact arrangement	Contact function	Rotating angle		Key removal position	Colour of collar	Order no. complete
1 NC + 1 NO	latching	90°		0	black	<b>1.15.108.571/0100</b>
1 NC + 1 NO	latching	90°		0+1	black	<b>1.15.108.631/0100</b>
1 NC + 1 NO	momentary	45°		0	black	1.15.108.661/0100
2 NC + 2 NO	latching	90°		0	black	<b>1.15.108.572/0100</b>
2 NC + 2 NO	latching	90°		0+1	black	<b>1.15.108.632/0100</b>

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Included: 2 keys.

Other lock variants and contacts available on request.

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### LUMOTAST 75 IP40 signal lamp with lamp socket T 4.5



### Technical data

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75 (40)

#### General information

Form of lens see order block  
Form of collar see order block  
Colour 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 7.5 mm  
Mounting depth 33.5 mm  
Mounting hole 16.2 mm

#### Mechanical design

Mounting ring nut  
Terminals solder terminals, tin-plated  
Lamp socket T 4.5  
Lamp filament lamp / LED

#### Electrical characteristics

Voltage limit max. 42 V  
Power limit max. 1.2 W

#### Other specifications

Degree of protection from front side IP40  
Weight 5 g  
Approvals ENEC 25 T 55 (70), UL, CSA  
Ambient temp. operating min. -25 °C  
Ambient temp. operating 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 600 68-2-14 and 2-33

### Accessories LUMOTAST 75 IP40 signal lamp with lamp socket T 4.5

Description	Photo	Order no.	Page
Filament lamp, T 4.5 base, 12 V		<b>1.90.100.022/0000</b>	5 - 6
Filament lamp, T 4.5 base, 24 V		<b>1.90.100.023/0000</b>	5 - 6
LED T 4.5 superbright, red, 24 V		<b>1.90.690.331/0000</b>	5 - 20
LED T 4.5 superbright, green, 24 V		<b>1.90.690.332/0000</b>	5 - 20
LED T 4.5 superbright, yellow, 24 V		<b>1.90.690.333/0000</b>	5 - 20
LED T 4.5 superbright, blue, 24 V		<b>1.90.690.334/0000</b>	5 - 20
LED T 4.5 superbright, white, 24 V		<b>1.90.690.335/0000</b>	5 - 20

# LUMOTAST 75 IP40

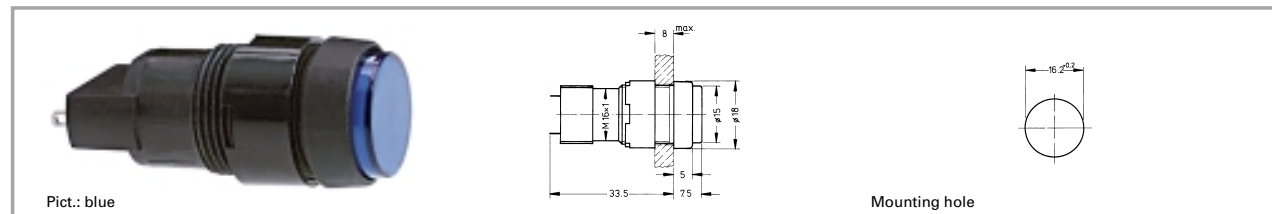
## Accessories LUMOTAST 75 IP40 signal lamp with lamp socket T 4.5

Description	Photo	Order no.	Page
LED T 4.5, red, 3 V		<b>1.90.692.001/0000</b>	5 - 19
LED T 4.5, green, 3 V		<b>1.90.692.002/0000</b>	5 - 19
LED T 4.5, yellow, 3 V		<b>1.90.692.003/0000</b>	5 - 19
Blanking cap, black, to cover spare holes, dimensions 18 x 18 mm		5.52.006.020/0103	5 - 33
Blanking cap, black, to cover spare holes, dimensions 18 x 24 mm		5.52.006.021/0100	5 - 33
Blanking cap, black, to cover spare holes, round 18 mm		5.52.006.022/0100	5 - 33
Fixing spanner M 15, M 16		<b>5.58.002.019/0105</b>	5 - 25

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## LUMOTAST 75 IP40 signal lamp with lamp socket T 4.5, round collar, protruding lens



Voltage limit max.	Power limit max.	Lamp socket	Colour of collar	Order no. without lens	Note
42 V	1.2 W	T 4.5	black	<b>1.65.111.071/0000</b>	Please include the desired lens and diffuser in your order.

Technical data see page 1 - 48

Lens, round, transparent colourless, for filament lamp or LED: **5.49.257.011/1002**

Lens, round, transparent red, for LED: **5.49.257.011/1301**

Lens, round, transparent red, for filament lamp: **5.49.257.011/1303**

Lens, round, transparent yellow, for filament lamp or LED: **5.49.257.011/1402**

Lens, round, transparent green, for filament lamp: **5.49.257.011/1502**

Lens, round, transparent green, for LED: **5.49.257.011/1503**

Lens, round, transparent blue, for filament lamp: **5.49.257.011/1601**

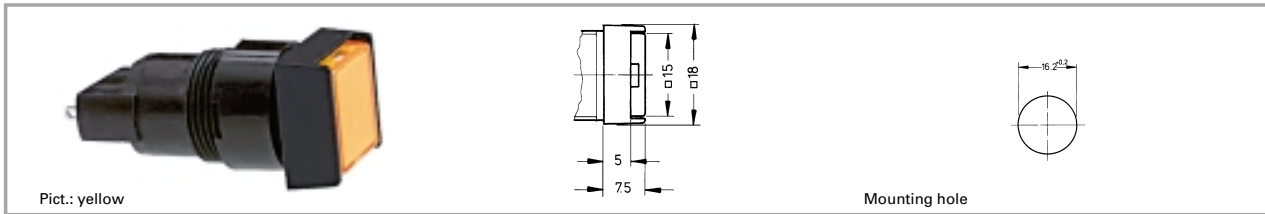
### Accessories:

Diffuser, round, for filament lamp, without legend: **5.72.050.000/0202**

Diffuser, round, for LED, without legend: **5.72.050.000/0214**

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### LUMOTAST 75 IP40, signal lamp, square collar, flush lens



Voltage limit max.	Power limit max.	Lamp socket	Colour of collar	Order no. without lens	Note
42 V	1.2 W	T 4.5	black	<b>1.65.111.061/0000</b>	Please include the desired lens and diffuser in your order.

Technical data see page 1 - 48

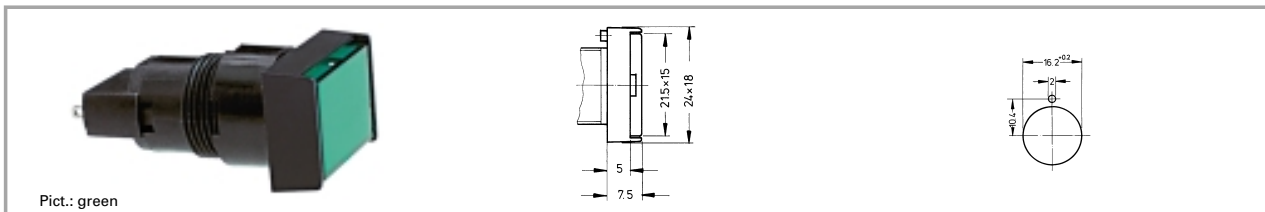
- Lens, square, transparent colourless, for filament lamp or LED: **5.49.275.036/1002**
- Lens, square, transparent red, for LED: **5.49.275.036/1301**
- Lens, square, transparent red, for filament lamp: **5.49.275.036/1303**
- Lens, square, transparent yellow, for filament lamp or LED: **5.49.275.036/1402**
- Lens, square, transparent green, for filament lamp: **5.49.275.036/1502**
- Lens, square, transparent green, for LED: **5.49.275.036/1503**
- Lens, square, transparent blue, for filament lamp: **5.49.275.036/1601**

**Accessories:**

- Diffuser, square, for filament lamp, without legend: **5.73.013.000/0202**
- Diffuser, square, for LED, without legend: **5.73.013.000/0214**

LUMO  
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### LUMOTAST 75 IP40 signal lamp, rectangular collar, flush lens



Voltage limit max.	Power limit max.	Lamp socket	Colour of collar	Order no. without lens	Note
42 V	1.2 W	T 4.5	black	<b>1.65.111.051/0000</b>	Please include the desired lens and diffuser in your order.

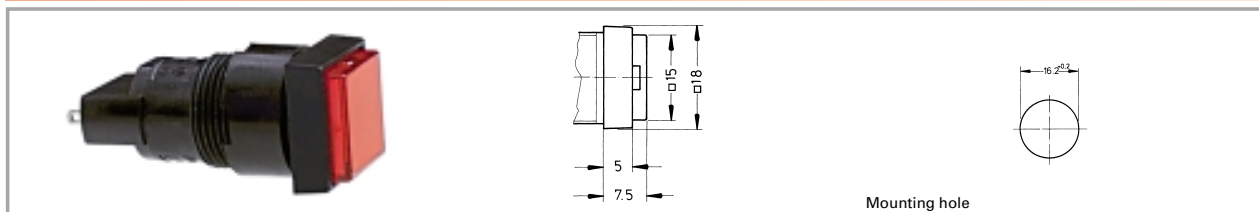
Technical data see page 1 - 48

- Lens, rectangular, transparent colourless, for filament lamp or LED: **5.49.275.032/1002**
- Lens, rectangular, transparent red, for LED: **5.49.275.032/1301**
- Lens, rectangular, transparent red, for filament lamp: **5.49.275.032/1303**
- Lens, rectangular, transparent yellow, for filament lamp or LED: **5.49.275.032/1402**
- Lens, rectangular, transparent green, for filament lamp: **5.49.275.032/1502**
- Lens, rectangular, transparent green, for LED: **5.49.275.032/1503**
- Lens, rectangular, transparent blue, for filament lamp: **5.49.275.032/1601**

**Accessories:**

- Diffuser, rectangular, for filament lamp, without legend: **5.73.012.000/0202**
- Diffuser, rectangular, for LED, without legend: **5.73.012.000/0214**

**LUMOTAST 75 IP40 signal lamp, square collar, protruding lens**



Voltage limit max.	Power limit max.	Lamp socket	Colour of collar	Order no. without lens	Note
42 V	1.2 W	T 4.5	black	1.65.111.081/0000	Please include the desired lens and diffuser in your order.

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- Lens, square, transparent colourless, for filament lamp or LED: **5.49.275.036/1002**
- Lens, square, transparent red, for LED: **5.49.275.036/1301**
- Lens, square, transparent red, for filament lamp: **5.49.275.036/1303**
- Lens, square, transparent yellow, for filament lamp or LED: **5.49.275.036/1402**
- Lens, square, transparent green, for filament lamp: **5.49.275.036/1502**
- Lens, square, transparent green, for LED: **5.49.275.036/1503**
- Lens, square, transparent blue, for filament lamp: **5.49.275.036/1601**

**Accessories:**

- Diffuser, square, for filament lamp, without legend: **5.73.013.000/0202**
- Diffuser, square, for LED, without legend: **5.73.013.000/0214**

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