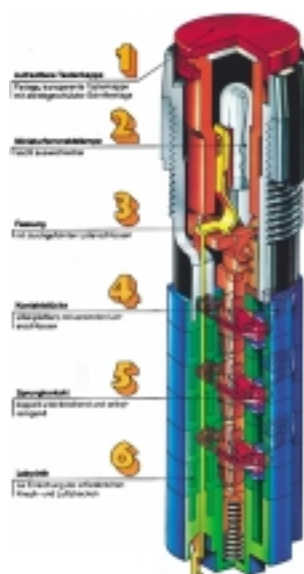


LUMOTAST 75 IP40



1

**LUMO
75 (40)**

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 mm² max.
 - Factory terminated 0.35 mm² max.
- 250 V/4 A max.
- 3 NC + 3 NO max.
- Lamp socket T 4.5

Content

LUMOTAST 75 illuminated pushbutton IP40

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LUMOTAST 75 keylock switch IP40

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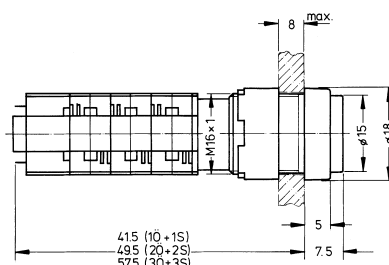
LUMOTAST 75 IP40 signal lamp with lamp socket T 4.5

LUMOTAST 75 IP40 signal lamp with lamp socket T 4.5, round collar, protruding lens	1 - 48
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LUMOTAST 75 IP40 signal lamp, square collar, protruding lens	1 - 51

LUMOTAST 75 illuminated pushbutton IP40



Pict.: colourless



Mounting hole



Technical data

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		1.90.100.022/0000	5 - 6
Filament lamp, T 4.5 base, 24 V		1.90.100.023/0000	5 - 6



LUMOTAST 75 IP40

Accessories LUMOTAST 75 illuminated pushbutton IP40

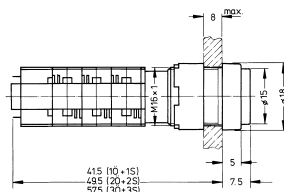
Description	Photo	Order no.	Page
LED T 4.5 superbright, red, 24 V		1.90.690.331/0000	5 - 20
LED T 4.5 superbright, green, 24 V		1.90.690.332/0000	5 - 20
LED T 4.5 superbright, yellow, 24 V		1.90.690.333/0000	5 - 20
LED T 4.5 superbright, blue, 24 V		1.90.690.334/0000	5 - 20
LED T 4.5 superbright, white, 24 V		1.90.690.335/0000	5 - 20
LED T 4.5, red, 3 V		1.90.692.001/0000	5 - 19
LED T 4.5, green, 3 V		1.90.692.002/0000	5 - 19
LED T 4.5, yellow, 3 V		1.90.692.003/0000	5 - 19
Lamp extractor for T 4.5/5.5, lamp diameter 4 mm		1.90.900.002/0000	5 - 24
Lamp extractor for lamp diameter 5-6 mm		1.90.900.004/0000	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		5.58.002.019/0105	5 - 25

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LUMO
75 (40)

LUMOTAST 75 illuminated pushbutton IP40, protruding lens, round collar

Pict.: colourless



Mounting hole

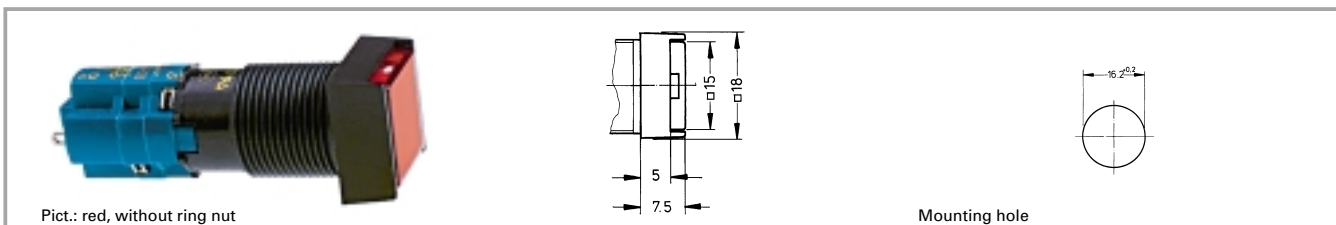
Contact arrangement	Contact function	Colour of collar	Order no. without lens	Note
1 NC + 1 NO	momentary	black	1.15.108.451/0000	Please include the desired lens and diffuser in your order.
1 NC + 1 NO	latching	black	1.15.108.551/0000	Please include the desired lens and diffuser in your order.
2 NC + 2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

Technical data see page 1 - 38

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 IP40

LUMOTAST 75 illuminated pushbutton IP40, flush lens, square collar



Contact arrangement	Contact function	Colour of collar	Order no. without lens	Note
1 NC + 1 NO	momentary	black	1.15.108.251/0000	Please include the desired lens and diffuser in your order.
1 NC + 1 NO	latching	black	1.15.108.351/0000	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.

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

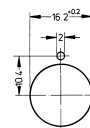
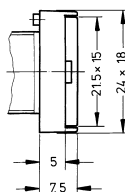
Protective cap (for 18 x 18 collar): 5.05.800.030/0000

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

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

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	1.15.108.051/0000	Please include the desired lens and diffuser in your order.
1 NC + 1 NO	latching	black	1.15.108.151/0000	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.

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

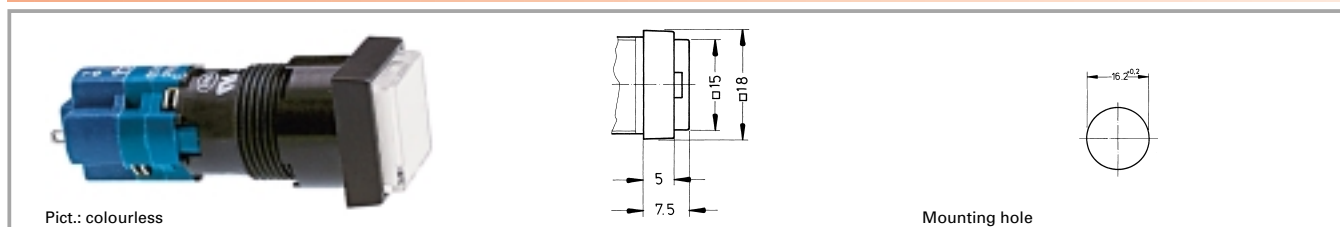
Protective cap (for 18 x 24 collar): 5.05.800.027/0000

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 IP40

LUMOTAST 75 illuminated pushbutton IP40, protruding lens, square collar



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.

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**

1

LUMO
75 (40)

LUMOTAST 75 keylock switch IP40



Mounting hole

Technical data

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
----------------	-----------------

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

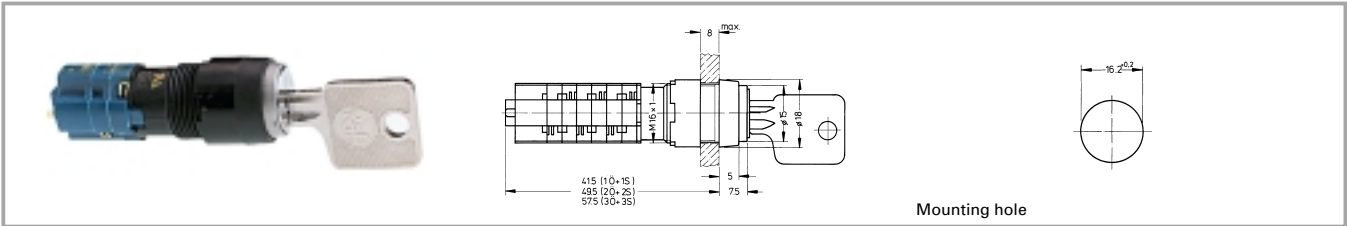
Description	Photo	Order no.	Page
Blanking cap, black, to cover spare holes, dimensions 18 x 24 mm		5.52.006.021/0100	5 - 33
Blanking cap, black, to cover spare holes, round 18 mm		5.52.006.022/0100	5 - 33






LUMOTAST 75 IP40

Accessories LUMOTAST 75 keylock switch IP40

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

LUMOTAST 75 keylock switch IP40, round collar



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

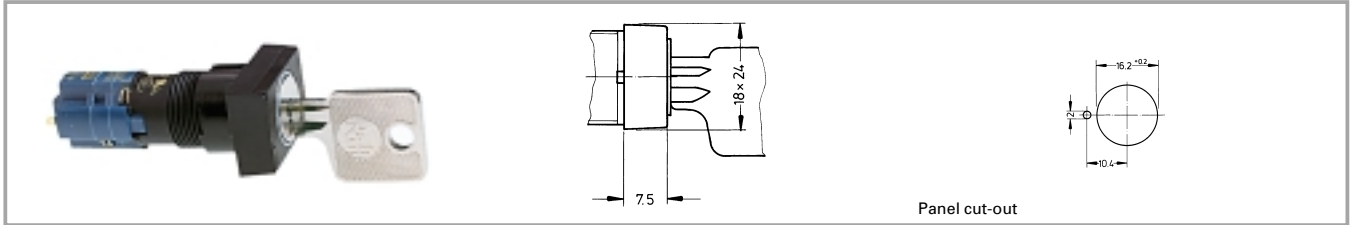
Technical data see page 1 - 44






Included: 2 keys.

Other lock variants and contacts available on request.

1

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	1.15.108.571/0100
1 NC + 1 NO	latching	90°		0+1	black	1.15.108.631/0100
1 NC + 1 NO	momentary	45°		0	black	1.15.108.661/0100
2 NC + 2 NO	latching	90°		0	black	1.15.108.572/0100
2 NC + 2 NO	latching	90°		0+1	black	1.15.108.632/0100

Technical data see page 1 - 44

Included: 2 keys.
Other lock variants and contacts available on request.

LUMO
75 (40)

LUMOTAST 75 IP40 signal lamp with lamp socket T 4.5



Pict.: blue



Mounting hole

Technical data

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

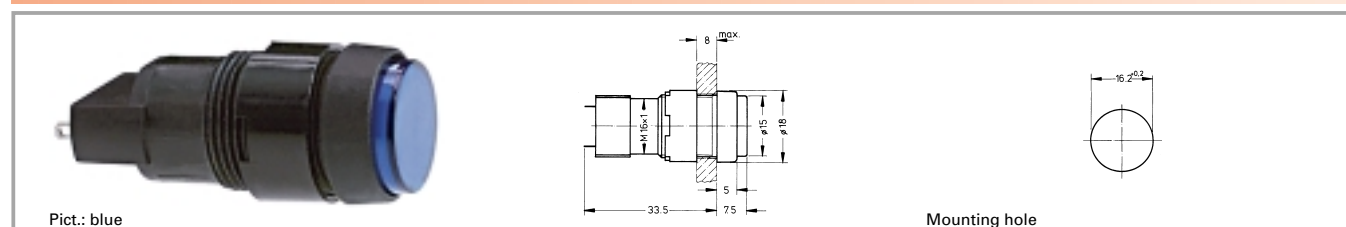
Description	Photo	Order no.	Page
Filament lamp, T 4.5 base, 12 V		1.90.100.022/0000	5 - 6
Filament lamp, T 4.5 base, 24 V		1.90.100.023/0000	5 - 6
LED T 4.5 superbright, red, 24 V		1.90.690.331/0000	5 - 20
LED T 4.5 superbright, green, 24 V		1.90.690.332/0000	5 - 20
LED T 4.5 superbright, yellow, 24 V		1.90.690.333/0000	5 - 20
LED T 4.5 superbright, blue, 24 V		1.90.690.334/0000	5 - 20
LED T 4.5 superbright, white, 24 V		1.90.690.335/0000	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		1.90.692.001/0000	5 - 19
LED T 4.5, green, 3 V		1.90.692.002/0000	5 - 19
LED T 4.5, yellow, 3 V		1.90.692.003/0000	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		5.58.002.019/0105	5 - 25

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	1.65.111.071/0000	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:

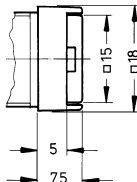
Diffuser, round, for filament lamp, without legend: **5.72.050.000/0202**

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

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



Pict.: yellow



Mounting hole

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	1.65.111.061/0000	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**

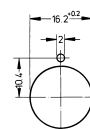
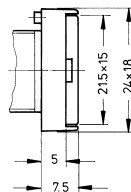
Diffuser, square, for LED, without legend: **5.73.013.000/0214**

LUMO
75 (40)

LUMOTAST 75 IP40 signal lamp, rectangular collar, flush lens



Pict.: green



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	1.65.111.051/0000	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**

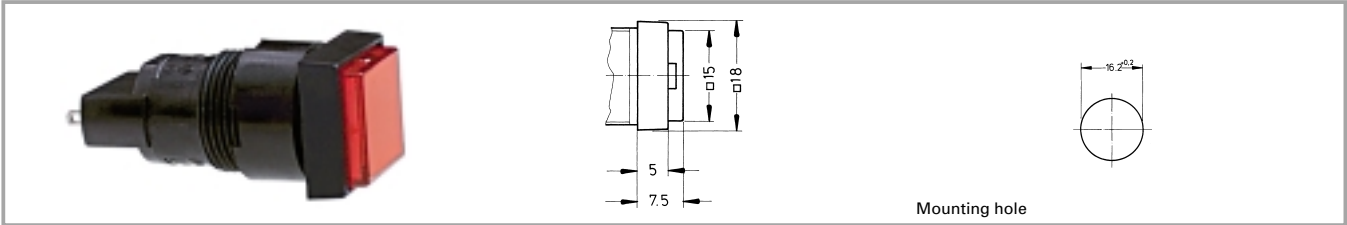
Accessories:

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

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.

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:

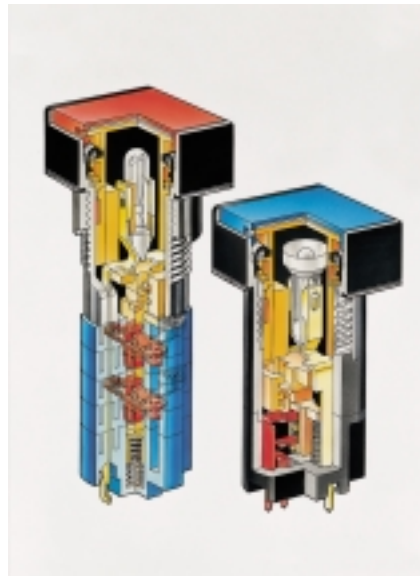
Diffuser, square, for filament lamp, without legend: **5.73.013.000/0202**

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

1

LUMO
75 (40)

LUMOTAST 75 IP65



1

General data

LUMOTAST 75 IP65 pushbutton range

Illuminated pushbuttons and signal lamps with lamp socket T 4.5

- Mounting hole diameter 16.2 mm
- Degree of protection IP65
- Solder terminals for the following wire cross-sections:
 - Installed 0.5 mm² max.
 - Factory terminated 0.35 mm² max.
- 250 V/4 A max.
- 3 NC + 3 NO max.

**LUMO
75 (65)**

Content

LUMOTAST 75 illuminated pushbutton IP65

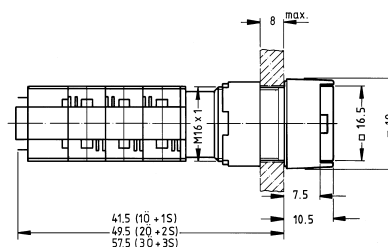
LUMOTAST 75 illuminated pushbutton IP65, flush lens, square collar	1 - 54
LUMOTAST 75 illuminated pushbutton IP65, protruding lens, square collar	1 - 56
LUMOTAST 75 illuminated pushbutton IP65, flush lens, round collar	1 - 57
LUMOTAST 75 illuminated pushbutton IP65, protruding lens, round collar	1 - 58
LUMOTAST 75 illuminated pushbutton IP65, flush lens, rectangular collar	1 - 59
	1 - 60

LUMOTAST 75 signal lamp IP65

LUMOTAST 75 signal lamp IP65, flush lens, square collar	1 - 62
LUMOTAST 75 signal lamp IP65, protruding lens, square collar	1 - 63
LUMOTAST 75 signal lamp IP65, flush lens, round collar	1 - 64
LUMOTAST 75 signal lamp IP65, protruding lens, round collar	1 - 64
LUMOTAST 75 signal lamp IP65, flush lens, rectangular collar	1 - 65
	1 - 65

LUMOTAST 75 illuminated pushbutton IP65

Pict.: red



Mounting hole

Technical data**General information**

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

Dimensions

Length of collar	see order block
Diameter of collar	see order block
Width of collar	see order block
Overall height	10.5 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	yes
Lamp socket	T 4.5

Mechanical characteristics

Operating force	3 ... 6.5 N
Operating travel	2.5 mm
Switching travel NC	1.8 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
ESD-strength min.	14 kV

Other specifications



Operating life, at 250 V/2 A (operations)	200000 (momentary), 50000 (latching)
Operating life, at 250 V/4 A (operations)	60000 (momentary)
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 600 68-2-14 and 2-33
Weight	15 g
Approvals	ENEC 25 T 55 (70), UL, CSA
Flame class acc. to UL 94	V 0
Hot wire ignition acc. to IEC 695-2-1	yes

Accessories LUMOTAST 75 illuminated pushbutton IP65

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

LUMOTAST 75 IP65

Accessories LUMOTAST 75 illuminated pushbutton IP65

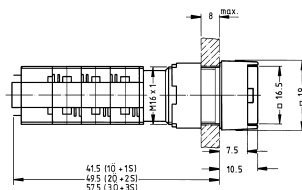
Description	Photo	Order no.	Page
LED T 4.5 superbright, red, 24 V		1.90.690.331/0000	5 - 20
LED T 4.5 superbright, green, 24 V		1.90.690.332/0000	5 - 20
LED T 4.5 superbright, yellow, 24 V		1.90.690.333/0000	5 - 20
LED T 4.5 superbright, blue, 24 V		1.90.690.334/0000	5 - 20
LED T 4.5 superbright, white, 24 V		1.90.690.335/0000	5 - 20
LED T 4.5, red, 3 V		1.90.692.001/0000	5 - 19
LED T 4.5, green, 3 V		1.90.692.002/0000	5 - 19
LED T 4.5, yellow, 3 V		1.90.692.003/0000	5 - 19
Lamp extractor for T 4.5/5.5, lamp diameter 4 mm		1.90.900.002/0000	5 - 24
Lamp extractor for lamp diameter 5-6 mm		1.90.900.004/0000	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		5.58.002.019/0105	5 - 25

1

LUMO
75 (65)

LUMOTAST 75 illuminated pushbutton IP65, flush lens, square collar

Pict.: red



Mounting hole

Contact arrangement	Contact function	Colour of collar	Order no. without lens	Note
1 NC + 1 NO	momentary	black	1.15.108.276/0000	Please include the desired lens in your order.
1 NC + 1 NO	latching	black	1.15.108.376/0000	Please include the desired lens in your order.
2 NC + 2 NO	momentary	black	1.15.108.277/0000	Please include the desired lens in your order.
2 NC + 2 NO	latching	black	1.15.108.377/0000	Please include the desired lens in your order.
3 NC + 3 NO	momentary	black	1.15.108.278/0000	Please include the desired lens in your order.
3 NC + 3 NO	latching	black	1.15.108.378/0000	Please include the desired lens in your order.

Technical data see page 1 - 54

Lens, square, transparent colourless, for filament lamp or LED: **5.49.277.052/1002**Lens, square, transparent red, for LED: **5.49.277.052/1301**Lens, square, transparent red, for filament lamp: **5.49.277.052/1303**Lens, square, transparent yellow, for filament lamp or LED: **5.49.277.052/1402**Lens, square, transparent green, for filament lamp: **5.49.277.052/1502**Lens, square, transparent green, for LED: **5.49.277.052/1503**Lens, square, transparent blue, for filament lamp: **5.49.277.052/1601****Accessories:**

Legend insert, square, without legend: 5.70.629.000/2000

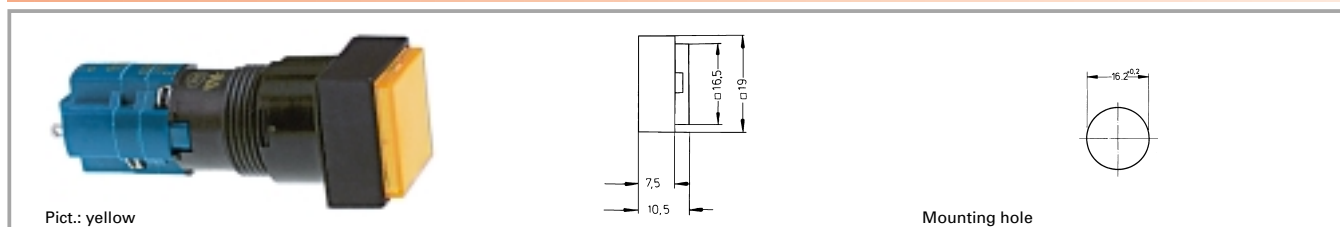
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LUMO
75 (65)



LUMOTAST 75 IP65

LUMOTAST 75 illuminated pushbutton IP65, protruding lens, square collar



Contact arrangement	Contact function	Colour of collar	Order no. without lens	Note
1 NC + 1 NO	momentary	black	1.15.108.281/0000	Please include the desired lens in your order.
1 NC + 1 NO	latching	black	1.15.108.381/0000	Please include the desired lens in your order.
2 NC + 2 NO	momentary	black	1.15.108.282/0000	Please include the desired lens in your order.
2 NC + 2 NO	latching	black	1.15.108.382/0000	Please include the desired lens in your order.
3 NC + 3 NO	momentary	black	1.15.108.283/0000	Please include the desired lens in your order.
3 NC + 3 NO	latching	black	1.15.108.383/0000	Please include the desired lens in your order.

Technical data see page 1 - 54

Lens, square, transparent colourless, for filament lamp or LED: **5.49.277.052/1002**

Lens, square, transparent red, for LED: **5.49.277.052/1301**

Lens, square, transparent red, for filament lamp: **5.49.277.052/1303**

Lens, square, transparent yellow, for filament lamp or LED: **5.49.277.052/1402**

Lens, square, transparent green, for filament lamp: **5.49.277.052/1502**

Lens, square, transparent green, for LED: **5.49.277.052/1503**

Lens, square, transparent blue, for filament lamp: **5.49.277.052/1601**

Accessories:

Legend insert, square, without legend: 5.70.629.000/2000

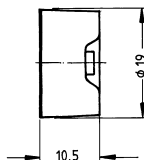
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LUMO
75 (65)

LUMOTAST 75 illuminated pushbutton IP65, flush lens, round collar



Pict.: blue



Mounting hole

Contact arrangement	Contact function	Colour of collar	Order no. without lens	Note
1 NC + 1 NO	momentary	black	1.15.108.481/0000	Please include the desired lens in your order.
1 NC + 1 NO	latching	black	1.15.108.981/0000	Please include the desired lens in your order.
2 NC + 2 NO	momentary	black	1.15.108.482/0000	Please include the desired lens in your order.
2 NC + 2 NO	latching	black	1.15.108.982/0000	Please include the desired lens in your order.
3 NC + 3 NO	momentary	black	1.15.108.483/0000	Please include the desired lens in your order.
3 NC + 3 NO	latching	black	1.15.108.983/0000	Please include the desired lens in your order.

Technical data see page 1 - 54

Lens, round, transparent colourless, for filament lamp or LED: **5.49.259.013/1002**

Lens, round, transparent red, for LED: **5.49.259.013/1301**

Lens, round, transparent red, for filament lamp: **5.49.259.013/1303**

Lens, round, transparent yellow, for filament lamp or LED: **5.49.259.013/1402**

Lens, round, transparent green, for filament lamp: **5.49.259.013/1502**

Lens, round, transparent green, for LED: **5.49.259.013/1503**

Lens, round, transparent blue, for filament lamp: **5.49.259.013/1601**

Accessories:

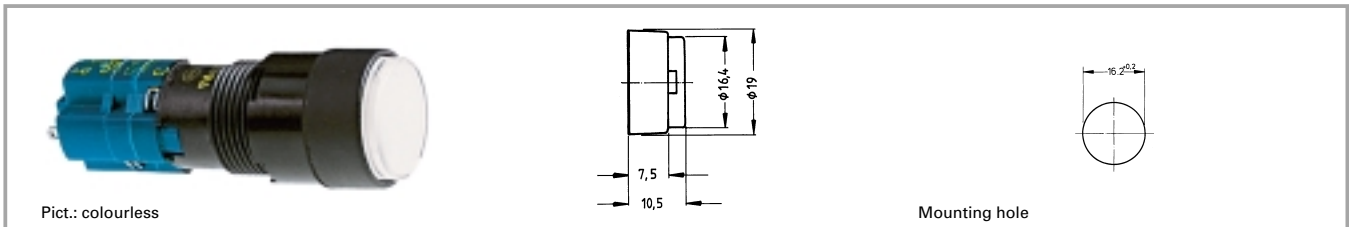
Legend insert, round, without legend: 5.70.059.000/2000

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LUMO
75 (65)

LUMOTAST 75 IP65

LUMOTAST 75 illuminated pushbutton IP65, protruding lens, round collar



Contact arrangement	Contact function	Colour of collar	Order no. without lens	Note
1 NC + 1 NO	momentary	black	1.15.108.476/0000	Please include the desired lens in your order.
1 NC + 1 NO	latching	black	1.15.108.976/0000	Please include the desired lens in your order.
2 NC + 2 NO	momentary	black	1.15.108.477/0000	Please include the desired lens in your order.
2 NC + 2 NO	latching	black	1.15.108.977/0000	Please include the desired lens in your order.
3 NC + 3 NO	momentary	black	1.15.108.478/0000	Please include the desired lens in your order.
3 NC + 3 NO	latching	black	1.15.108.978/0000	Please include the desired lens in your order.

Technical data see page 1 - 54

Lens, round, transparent colourless, for filament lamp or LED: **5.49.259.013/1002**

Lens, round, transparent red, for LED: **5.49.259.013/1301**

Lens, round, transparent red, for filament lamp: **5.49.259.013/1303**

Lens, round, transparent yellow, for filament lamp or LED: **5.49.259.013/1402**

Lens, round, transparent green, for filament lamp: **5.49.259.013/1502**

Lens, round, transparent green, for LED: **5.49.259.013/1503**

Lens, round, transparent blue, for filament lamp: **5.49.259.013/1601**

Accessories:

Legend insert, round, without legend: 5.70.059.000/2000

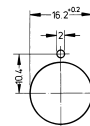
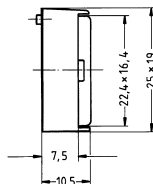
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**LUMO
75 (65)**

LUMOTAST 75 illuminated pushbutton IP65, flush lens, rectangular collar



Pict.: green



Contact arrangement	Contact function	Colour of collar	Order no. without lens	Note
1 NC + 1 NO	momentary	black	1.15.108.076/0000	Please include the desired lens in your order.
1 NC + 1 NO	latching	black	1.15.108.176/0000	Please include the desired lens in your order.
2 NC + 2 NO	momentary	black	1.15.108.077/0000	Please include the desired lens in your order.
2 NC + 2 NO	latching	black	1.15.108.177/0000	Please include the desired lens in your order.
3 NC + 3 NO	momentary	black	1.15.108.078/0000	Please include the desired lens in your order.
3 NC + 3 NO	latching	black	1.15.108.178/0000	Please include the desired lens in your order.

Technical data see page 1 - 54

Lens, rectangular, transparent colourless, for filament lamp or LED: **5.49.277.058/1002**

Lens, rectangular, transparent red, for LED: **5.49.277.058/1301**

Lens, rectangular, transparent red, for filament lamp: **5.49.277.058/1303**

Lens, rectangular, transparent yellow, for filament lamp or LED: **5.49.277.058/1402**

Lens, rectangular, transparent green, for filament lamp: **5.49.277.058/1502**

Lens, rectangular, transparent green, for LED: **5.49.277.058/1503**

Lens, rectangular, transparent blue, for filament lamp: **5.49.277.058/1601**

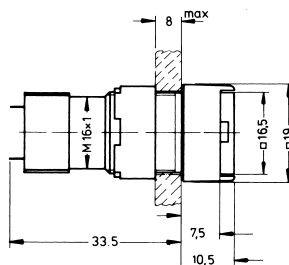
Accessories:

Legend insert, rectangular without legend: 5.70.630.000/2000

LUMOTAST 75 signal lamp IP65



Pict.: red



Mounting hole



Technical data

General information

Form of lens	see order block
Form of collar	see order block
Diameter of collar	see order block

Dimensions

Length of collar	see order block
Width of collar	see order block
Overall height	10.5 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

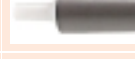

Degree of protection from front side	IP65
Weight	5 g
Approvals	ENEC 25 T 55 (70), UL, CSA
Ambient temp. operating min.	-25 °C
Ambient temp. operating max.	+55 °C
Storage temperature min.	-40 °C
Storage temperature max.	+80 °C

Accessories LUMOTAST 75 signal lamp IP65

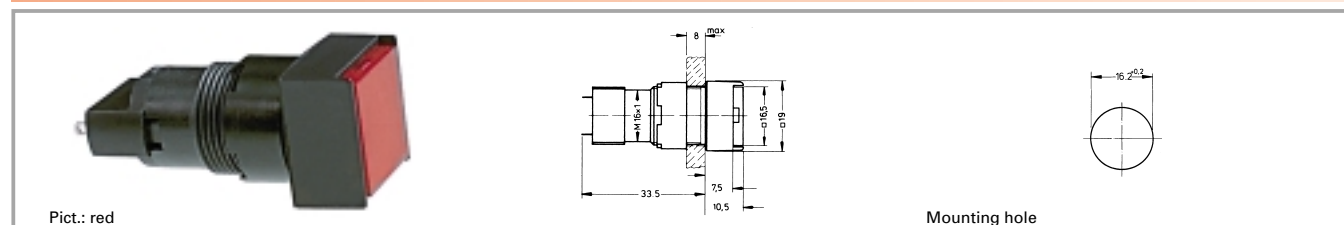
Description	Photo	Order no.	Page
Filament lamp, T 4.5 base, 12 V		1.90.100.022/0000	5 - 6
Filament lamp, T 4.5 base, 24 V		1.90.100.023/0000	5 - 6
LED T 4.5 superbright, red, 24 V		1.90.690.331/0000	5 - 20
LED T 4.5 superbright, green, 24 V		1.90.690.332/0000	5 - 20
LED T 4.5 superbright, yellow, 24 V		1.90.690.333/0000	5 - 20
LED T 4.5 superbright, blue, 24 V		1.90.690.334/0000	5 - 20
LED T 4.5 superbright, white, 24 V		1.90.690.335/0000	5 - 20
LED T 4.5, red, 3 V		1.90.692.001/0000	5 - 19

LUMOTAST 75 IP65

Accessories LUMOTAST 75 signal lamp IP65

Description	Photo	Order no.	Page
LED T 4.5, yellow, 3 V		1.90.692.003/0000	5 - 19
Lamp extractor for T 4.5/5.5, lamp diameter 4 mm		1.90.900.002/0000	5 - 24
Lamp extractor for lamp diameter 5-6 mm		1.90.900.004/0000	5 - 24
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		5.58.002.019/0105	5 - 25

LUMOTAST 75 signal lamp IP65, flush lens, square collar



Voltage limit max.	Power limit max.	Lamp socket	Form of collar	Order no. without lens	Note
42 V	1.2 W	T 4.5	square	1.65.111.066/0000	Please include the desired lens in your order.

Technical data see page 1 - 62

Lens, square, transparent colourless, for filament lamp or LED: **5.49.277.052/1002**

Lens, square, transparent red, for LED: **5.49.277.052/1301**

Lens, square, transparent red, for filament lamp: **5.49.277.052/1303**

Lens, square, transparent yellow, for filament lamp or LED: **5.49.277.052/1402**

Lens, square, transparent green, for filament lamp: **5.49.277.052/1502**

Lens, square, transparent green, for LED: **5.49.277.052/1503**

Lens, square, transparent blue, for filament lamp: **5.49.277.052/1601**

Accessories:

Legend insert, square: 5.70.629.000/2000

For assembly, press the lens as far as possible.

1

LUMOTAST 75 signal lamp IP65, protruding lens, square collar



Voltage limit max.	Power limit max.	Lamp socket	Form of collar	Order no. without lens	Note
42 V	1.2 W	T 4.5	square	1.65.111.086/0000	Please include the desired lens in your order.

Technical data see page 1 - 62

Lens, square, transparent colourless, for filament lamp or LED: **5.49.277.052/1002**

Lens, square, transparent red, for LED: **5.49.277.052/1301**

Lens, square, transparent red, for filament lamp: **5.49.277.052/1303**

Lens, square, transparent yellow, for filament lamp or LED: **5.49.277.052/1402**

Lens, square, transparent green, for filament lamp: **5.49.277.052/1502**

Lens, square, transparent green, for LED: **5.49.277.052/1503**

Lens, square, transparent blue, for filament lamp: **5.49.277.052/1601**

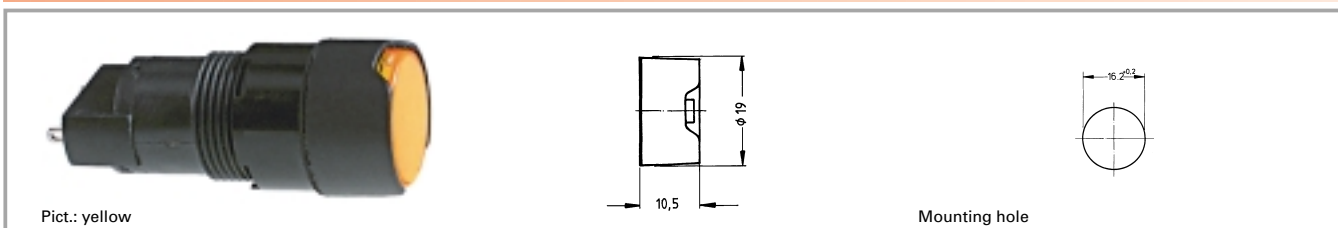
Accessories:

Legend insert, round, without legend: 5.70.629.000/2000

For assembly, press the lens as far as possible.

LUMO
75 (65)

LUMOTAST 75 signal lamp IP65, flush lens, round collar



Voltage limit max.	Power limit max.	Lamp socket	Form of collar	Order no. without lens	Note
42 V	1.2 W	T 4.5	round	1.65.111.096/0000	Please include the desired lens in your order.

Technical data see page 1 - 62

Lens, round, transparent colourless, for filament lamp or LED: **5.49.259.013/1002**

Lens, round, transparent red, for LED: **5.49.259.013/1301**

Lens, round, transparent red, for filament lamp: **5.49.259.013/1303**

Lens, round, transparent yellow, for filament lamp or LED: **5.49.259.013/1402**

Lens, round, transparent green, for filament lamp: **5.49.259.013/1502**

Lens, round, transparent green, for LED: **5.49.259.013/1503**

Lens, round, transparent blue, for filament lamp: **5.49.259.013/1601**

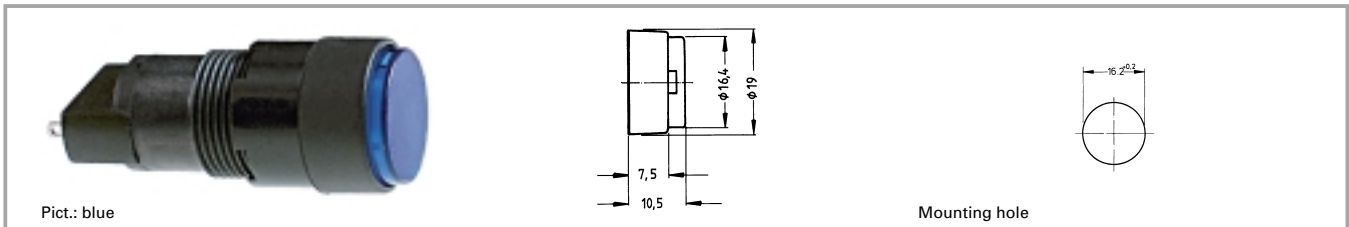
Accessories:

Legend insert, round, without legend: 5.70.059.000/2000

For assembly, press the lens as far as possible.

LUMOTAST 75 IP65

LUMOTAST 75 signal lamp IP65, protruding lens, round collar



Voltage limit max.	Power limit max.	Lamp socket	Form of collar	Order no. without lens	Note
42 V	1.2 W	T 4.5	round	1.65.111.076/0000	Please include the desired lens in your order.

Technical data see page 1 - 62

Lens, round, transparent colourless, for filament lamp or LED: **5.49.259.013/1002**

Lens, round, transparent red, for LED: **5.49.259.013/1301**

Lens, round, transparent red, for filament lamp: **5.49.259.013/1303**

Lens, round, transparent yellow, for filament lamp or LED: **5.49.259.013/1402**

Lens, round, transparent green, for filament lamp: **5.49.259.013/1502**

Lens, round, transparent green, for LED: **5.49.259.013/1503**

Lens, round, transparent blue, for filament lamp: **5.49.259.013/1601**

Accessories:

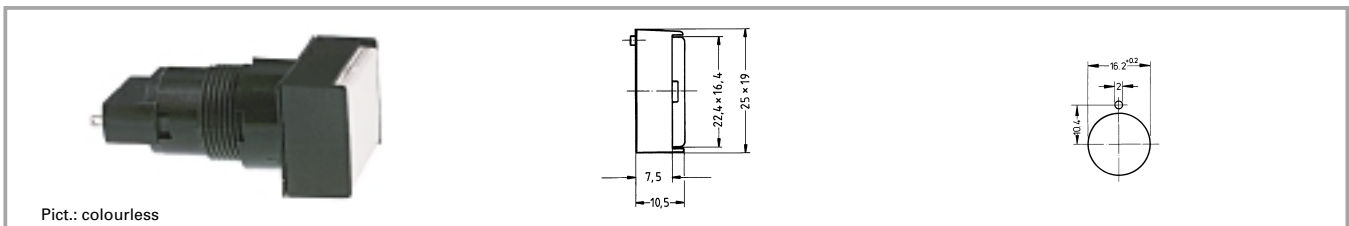
Legend insert, round, without legend: 5.70.059.000/2000

For assembly, press the lens as far as possible.

1

LUMO
75 (65)

LUMOTAST 75 signal lamp IP65, flush lens, rectangular collar



Voltage limit max.	Power limit max.	Lamp socket	Form of collar	Order no. without lens	Note
42 V	1.2 W	T 4.5	rectangular	1.65.111.056/0000	Please include the desired lens in your order.

Technical data see page 1 - 62

Lens, rectangular, transparent colourless, for filament lamp or LED: **5.49.277.058/1002**

Lens, rectangular, transparent red, for LED: **5.49.277.058/1301**

Lens, rectangular, transparent red, for filament lamp: **5.49.277.058/1303**

Lens, rectangular, transparent yellow, for filament lamp or LED: **5.49.277.058/1402**

Lens, rectangular, transparent green, for filament lamp: **5.49.277.058/1502**

Lens, rectangular, transparent green, for LED: **5.49.277.058/1503**

Lens, rectangular, transparent blue, for filament lamp: **5.49.277.058/1601**

Accessories:

Legend insert, rectangular without legend: 5.70.630.000/2000

For assembly, press the lens as far as possible.