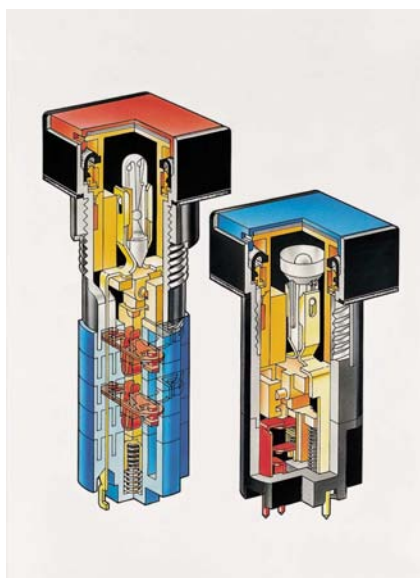




General data

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.
- 2 NC + 2 NO max. (3 NC + 3 NO on request)

LUMO
75 (65)

Content

LUMOTAST 75 illuminated pushbutton IP65

- LUMOTAST 75 illuminated pushbutton IP65, flush lens, square collar
- LUMOTAST 75 illuminated pushbutton IP65, protruding lens, square collar
- LUMOTAST 75 illuminated pushbutton IP65, flush lens, round collar
- LUMOTAST 75 illuminated pushbutton IP65, protruding lens, round collar
- LUMOTAST 75 illuminated pushbutton IP65, flush lens, rectangular collar

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LUMOTAST 75 signal lamp IP65

- LUMOTAST 75 signal lamp IP65, flush lens, square collar
- LUMOTAST 75 signal lamp IP65, protruding lens, square collar
- LUMOTAST 75 signal lamp IP65, flush lens, round collar
- LUMOTAST 75 signal lamp IP65, protruding lens, round collar
- LUMOTAST 75 signal lamp IP65, flush lens, rectangular collar

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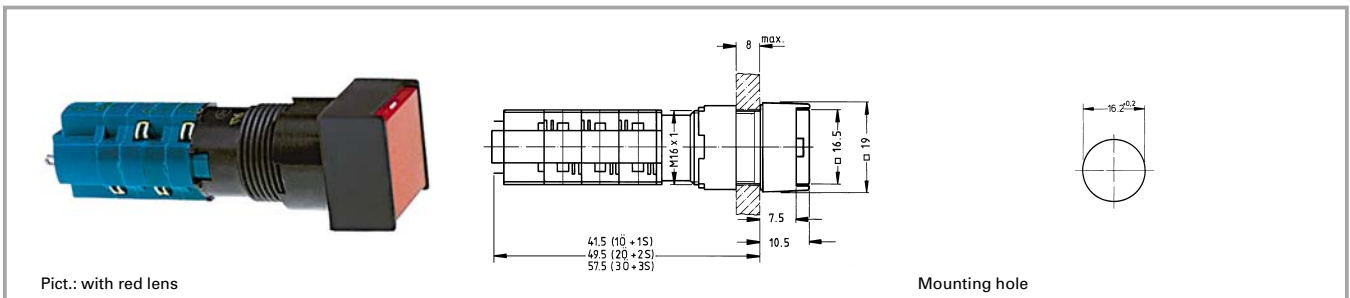
1 - 64

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LUMOTAST 75 illuminated pushbutton IP65



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

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

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

Other specifications

Operating life, at 250 V/4 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 60695-2-1	yes

Mechanical design

Mounting	ring nut
Terminals	solder terminals
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

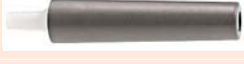
Electrical characteristics

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

Accessories LUMOTAST 75 illuminated pushbutton IP65

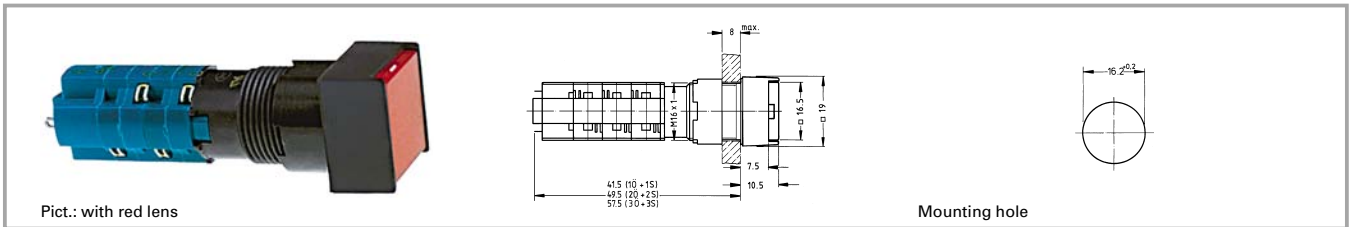
Description	Photo	Order no.	Page
Filament lamp, T 4.5 base, 12 V		1.90.100.022/0000	5 - 6
Filament lamp, T 4.5 base, 24 V		1.90.100.023/0000	5 - 6

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 - 18
LED T 4.5 superbright, green, 24 V		1.90.690.332/0000	5 - 18
LED T 4.5 superbright, yellow, 24 V		1.90.690.333/0000	5 - 18
LED T 4.5 superbright, blue, 24 V		1.90.690.334/0000	5 - 18
LED T 4.5 superbright, white, 24 V		1.90.690.335/0000	5 - 18
LED T 4.5, red, 2-3 V		1.90.692.001/0000	5 - 18
LED T 4.5, green, 2-3 V		1.90.692.002/0000	5 - 18
LED T 4.5, yellow, 2-3 V		1.90.692.003/0000	5 - 18
Lamp extractor for T 4.5/5.5, lamp diameter 4 mm		1.90.900.002/0000	5 - 22
Lamp extractor for lamp diameter 5-6 mm		1.90.900.004/0000	5 - 22
Protective cap (for 18 x 24 collar)		5.05.800.027/0000	5 - 26
Blanking cap, black, to cover spare holes, dimensions 18 x 18 mm		5.52.006.020/0103	5 - 28
Blanking cap, black, to cover spare holes, dimensions 18 x 24 mm		5.52.006.021/0100	5 - 28
Blanking cap, black, to cover spare holes, round 18 mm		5.52.006.022/0100	5 - 28
Fixing spanner M 15, M 16		5.58.002.019/0105	5 - 23

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LUMOTAST 75 illuminated pushbutton IP65, flush lens, square collar



Contact arrangement	Contact function	Colour of collar	Order no. without lens	Note
1 NC + 1 NO	momentary	black	1.15.108.276/0000	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.

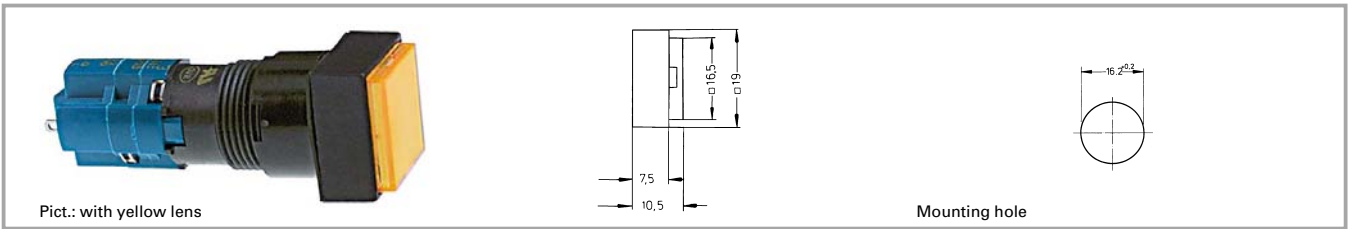
LUMO
75 (65)

Technical data see page 1 - 54

- Lenses:**
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**

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.

Technical data see page 1 - 54

- Lenses:**
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**

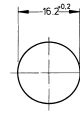
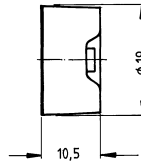
- Accessories:**
Legend insert, square, without legend: **5.70.629.000/2000**

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LUMOTAST 75 illuminated pushbutton IP65, flush lens, round collar



Pict.: with blue lens



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.

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75 (65)

Technical data see page 1 - 54

Lenses:

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**

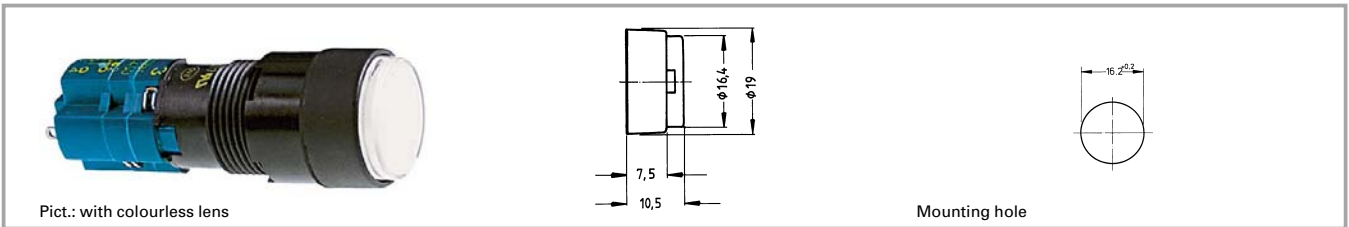
Lens, round, transparent green, for LED: **5.49.259.013/1503**

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

Accessories:

Legend insert, round, without legend: **5.70.059.000/2000**

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.

Technical data see page 1 - 54

Lenses:

- 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:

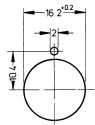
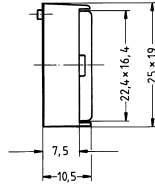
- Legend insert, round, without legend: **5.70.059.000/2000**

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LUMOTAST 75 illuminated pushbutton IP65, flush lens, rectangular collar



Pict.: with green lens, without threaded ring



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.

LUMO
75 (65)

Technical data see page 1 - 54

Lenses:

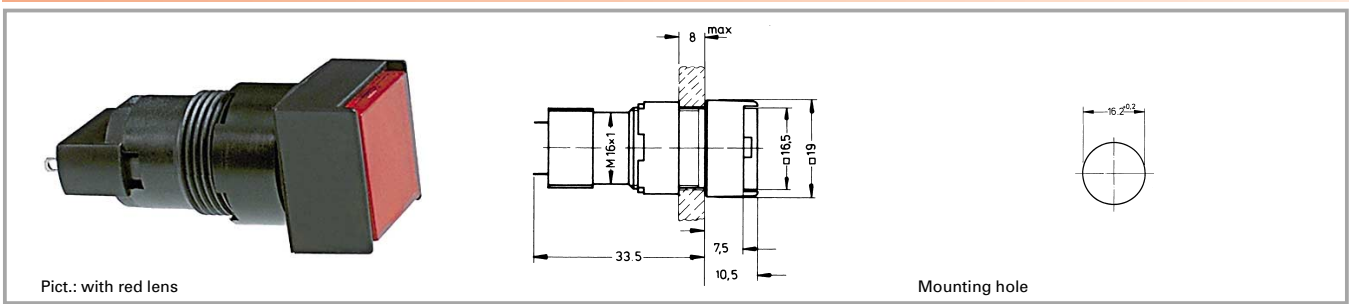
- Lens, rectangular, transparent colourless, for filament lamp or LED: **5.49.277.058/1002**
- Lens, rectangular, transparent red, for LED: **5.49.277.058/1301**
- Lens, rectangular, transparent red, for filament lamp: **5.49.277.058/1303**
- Lens, rectangular, transparent yellow, for filament lamp or 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**

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LUMOTAST 75 signal lamp IP65



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
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

LUMO
75 (65)

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 - 18
LED T 4.5 superbright, green, 24 V		1.90.690.332/0000	5 - 18
LED T 4.5 superbright, yellow, 24 V		1.90.690.333/0000	5 - 18
LED T 4.5 superbright, blue, 24 V		1.90.690.334/0000	5 - 18
LED T 4.5 superbright, white, 24 V		1.90.690.335/0000	5 - 18
LED T 4.5, red, 2-3 V		1.90.692.001/0000	5 - 18

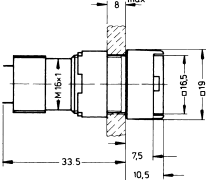
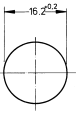
Accessories LUMOTAST 75 signal lamp IP65

Description	Photo	Order no.	Page
LED T 4.5, yellow, 2-3 V		1.90.692.003/0000	5 - 18
Lamp extractor for T 4.5/5.5, lamp diameter 4 mm		1.90.900.002/0000	5 - 22
Lamp extractor for lamp diameter 5-6 mm		1.90.900.004/0000	5 - 22
Blanking cap, black, to cover spare holes, dimensions 18 x 18 mm		5.52.006.020/0103	5 - 28
Blanking cap, black, to cover spare holes, dimensions 18 x 24 mm		5.52.006.021/0100	5 - 28
Blanking cap, black, to cover spare holes, round 18 mm		5.52.006.022/0100	5 - 28
Fixing spanner M 15, M 16		5.58.002.019/0105	5 - 23

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LUMO
75 (65)

LUMOTAST 75 signal lamp IP65, flush lens, square collar

   Pict.: with red lens Mounting hole					
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

Lenses:

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**

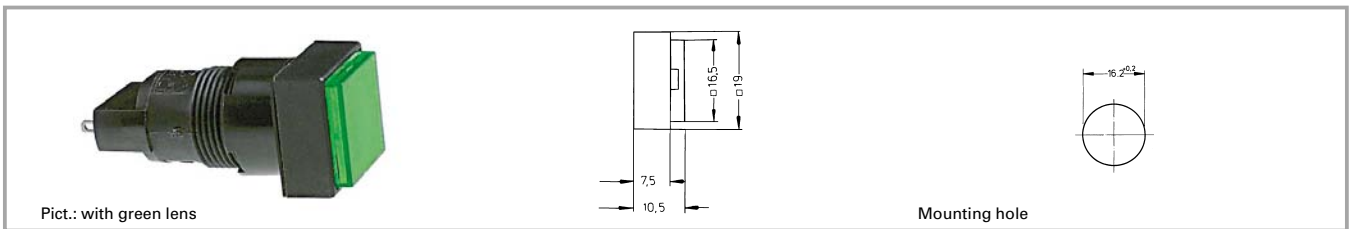
Lens, square, transparent green, for LED: **5.49.277.052/1503**

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.

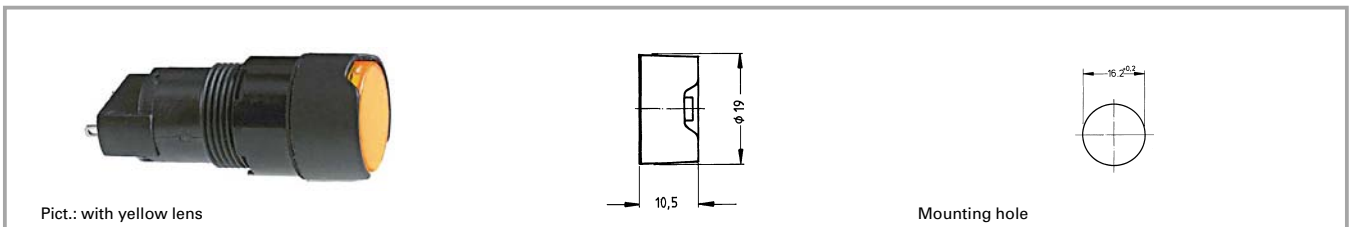
LUMOTAST 75 signal lamp IP65, protruding lens, square collar

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

Lenses: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.

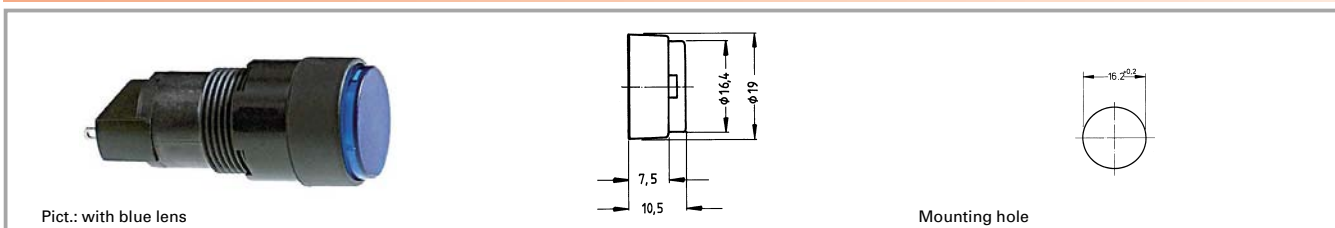
**LUMO
75 (65)****LUMOTAST 75 signal lamp IP65, flush lens, round collar**

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

Lenses: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 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

Lenses:

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**

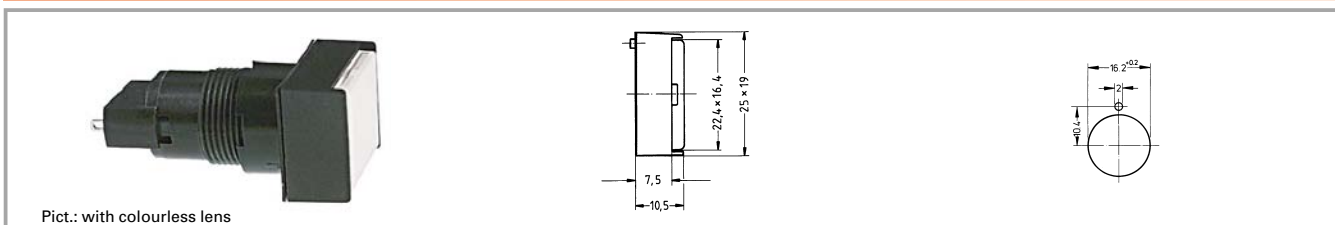
Lens, round, transparent green, for LED: **5.49.259.013/1503**

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.

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**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

Lenses:

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.