



General data

LUMOTAST 25 pushbutton range

- Illuminable pushbuttons and signal lamps. Please order lamps/LEDs separately.
- Mounting hole diameter: 16.2 mm
- 42 V/100 mA max.
- Water-jet proof IP65
- Low profile
- Lamp socket Bi-Pin T 1 for LEDs and filament lamps

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Keyed socket connector and flat ribbon cable or PCB plug-in socket

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• Ring nut or click fixing method.

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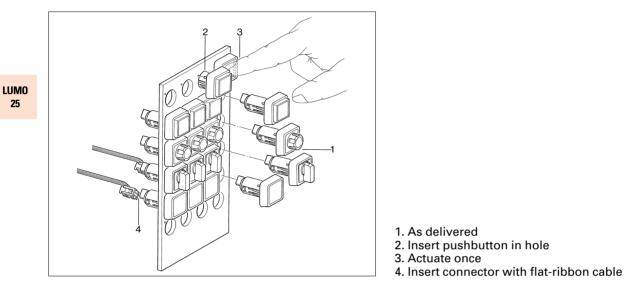


Series LUMOTAST25

16.2 mm mounting hole diameter

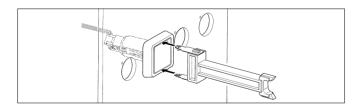
1

Design Click-Version

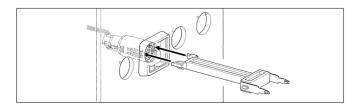


Disassembly Click-Version

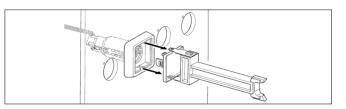
Click-Version from front (only for pushbuttons and signal lamps with special tool for dismounting)



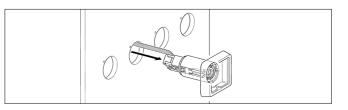
1. Grip body/lens



3. Release click lever



2. Pull out body/lens



4. Pull out pushbutton/signal lamp with cable

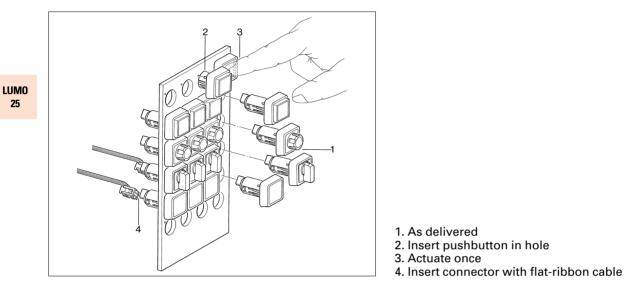


Series LUMOTAST25

16.2 mm mounting hole diameter

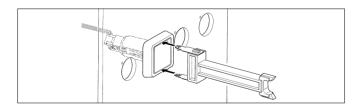
1

Design Click-Version

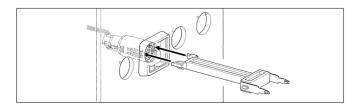


Disassembly Click-Version

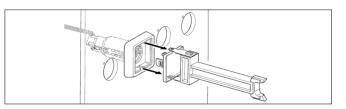
Click-Version from front (only for pushbuttons and signal lamps with special tool for dismounting)



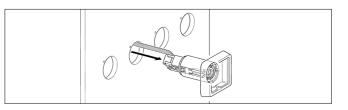
1. Grip body/lens



3. Release click lever



2. Pull out body/lens



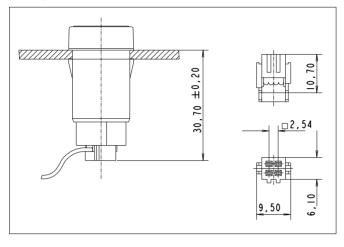
4. Pull out pushbutton/signal lamp with cable

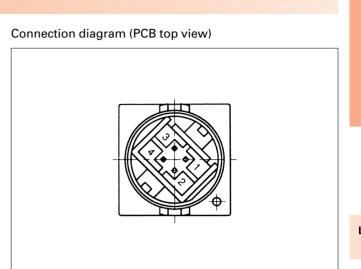
LUMOTAST 25



Dimensional drawing

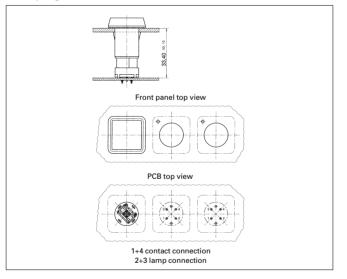
With quick connector and flat-ribbon cable



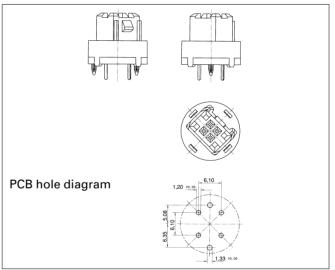


1 + 4 = pushbutton connection 2 + 3 = lamp connection

With plug-in socket



Plug-in socket for PCB







LUMOTAST 25 illuminated pushbutton



Technical data

General information		Electrical characteristics	
Form of lens	see order block	Rated voltage AC/DC max.	42 V
Colour of lens	see order block	Rated voltage AC/DC min.	0.02 V
Form of collar	square	Rated current AC/DC max.	100 mA
	•	Rated current AC/DC min.	0.01 mA
Dimensions		Contact resistance max.	100 mΩ
Length of collar	25 mm	Bouncing time max.	5 ms
Width of collar	25 mm	5	
Overall height	7.1 mm	Other specifications	
Mounting depth with		Operating life	
connector	30.7 mm	(operations)	1,000,000
Mounting depth with		Degree of protection	.,
plug-in socket	33.4 mm	from front side	IP65
Mounting hole	16.2 mm	Ambient temp. operating	
gg		without lamp min.	-25 °C
Mechanical design		Ambient temp. operating	20 0
Mounting	see order block	without lamp max.	+70 °C
Terminals	pin connector 4-pol./	Ambient temp. operating	
lemmale	plug-in socket	with lamp min.	-25 °C
Contact system	snap-action contact	Ambient temp. operating	20 0
Contact function	momentary	with lamp max.	+55 °C
Contact arrangement	1 NO	Storage temperature min.	-40 °C
Contact materials	Au	Storage temperature max.	+80 °C
Illuminability	yes	Resistance to climate	
Lamp socket	963 Bi-Pin T 1/T 1¹/₄	acc. to IEC 600 68-2-3 und 2-3	0
Lamp socket	DI-1 111 1 1/1 1/4	acc. to inc 000 00-2-3 und 2-3	according to
Mechanical characteristics			IEC 600 68-2-3 and 2-30
Operating force max.	6 N	Resistance at variable	12C 000 00-2-3 and 2-30
Operating travel	3 mm	environment acc. to	
Switching travel	2 mm	IEC 600 68-2-14 und 2-33	according to
Robustness min.	100 N	IEC 000 08-2-14 unu 2-33	IFC 600 68-2-14 and 2-33
nobustness min.		Weight	
		weight	7 g

Accessories LUMOTAST 25 illuminated pushbutton

Description	Photo	Order no.	Page
Filament lamp, Bi-Pin T 1¼ base, 12 V		1.90.180.474/0000	5 - 5
Filament lamp, Bi-Pin T 1¼ base, 28 V		1.90.180.475/0000	5 - 5
LED Bi-Pin T 1 superbright, red, 24 V		1.90.690.351/0000	5 - 17

LUM0 25

Accessories LUMOTAST 25 illuminated pushbutton

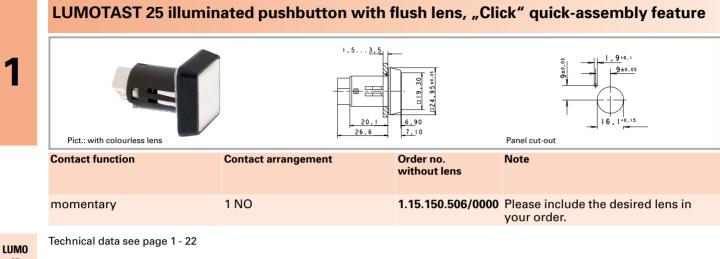
Description	Photo	Order no.	Page
			-
LED Bi-Pin T 1 superbright, green, 24 V		1.90.690.352/0000	5 - 17
LED Bi-Pin T 1 superbright, yellow, 24 V		1.90.690.353/0000	5 - 17
LED Bi-Pin T 1 superbright, blue, 24 V	×⊒	1.90.690.354/0000	5 - 17
LED Bi-Pin T 1 superbright, white, 24 V		1.90.690.355/0000	5 - 17
LED Bi-Pin T 1, red, 3 V		1.90.691.026/0000	5 - 17
LED Bi-Pin T 1, green, 3 V		1.90.691.027/0000	5 - 17
LED Bi-Pin T 1, yellow, 3 V		1.90.691.028/0000	5 - 17
Plug-in socket for PCB		5.00.645.036/0000	5 - 25
Cable (flat ribbon cable 10 cm with socket connector and male quick connector, AMP 4-pin)		5.03.771.306/0000	5 - 24
Disassembly tool for LUMOTAST 25, RAFIX 16		5.05.800.042/0000	2 - 65 5 - 24
Blanking cap complete with sealing disc and ring nut, square	-	5.05.800.049/0100	5 - 29
Label holder, flush, for square collar	8	5.07.620.004/0000	2 - 66
Flat ribbon cable, 4-wire, 1 m long	0	5.37.700.124/0000	5 - 25
Fixing spanner M 15, M 16		5.58.002.019/0105	5 - 23
Legend insert, blank, use only for transparent lenses		5.70.635.000/2000	
Legend label 23 x 16 for label holder, without legend	618	5.73.111.000/0000	2 - 66
Socket connector, 4-pin		5.92.025.368/0000	5 - 24

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SOLUTIONS WITH PASSION

LUMOTAST 25





25

Lenses: Lens, square, transparent colourless: 5.49.077.011/1002 Lens, square, transparent red: 5.49.077.011/1306

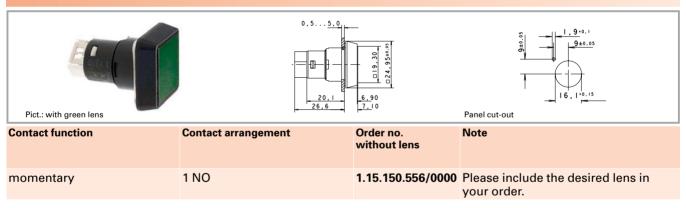
Lens, square, transparent yellow: 5.49.077.011/1403

Lens, square, transparent green: 5.49.077.011/1505

Lens, square, transparent blue: 5.49.077.011/1607

Note when using LEDs: A notch on the lamp socket identifies the cathode side.

LUMOTAST 25 illuminated pushbutton with flush lens, ring nut fixing



Technical data see page 1 - 22

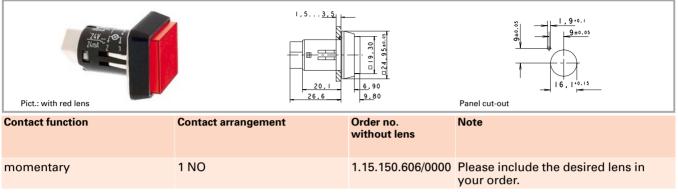
Lenses:

Lens, square, transparent colourless: 5.49.077.011/1002 Lens, square, transparent red: 5.49.077.011/1306 Lens, square, transparent yellow: 5.49.077.011/1403 Lens, square, transparent green: 5.49.077.011/1505 Lens, square, transparent blue: 5.49.077.011/1607

Note when using LEDs: A notch on the lamp socket identifies the cathode side.



LUMOTAST 25 illuminated pushbutton with protruding lens, "Click" quick-assembly feature



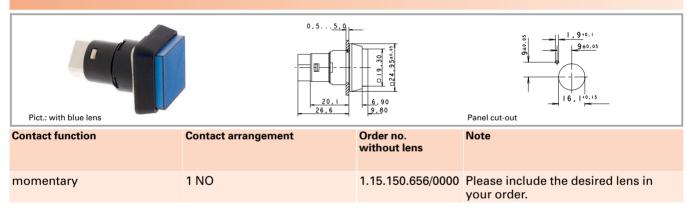
Technical data see page 1 - 22

Lenses:

Lens, square, transparent colourless: **5.49.077.012/1002** Lens, square, transparent red: **5.49.077.012/1306** Lens, square, transparent yellow: **5.49.077.012/1403** Lens, square, transparent green: **5.49.077.012/1505** Lens, square, transparent blue: **5.49.077.012/1607**

Note when using LEDs: A notch on the lamp socket identifies the cathode side.

LUMOTAST 25 illuminated pushbutton with protruding lens, ring nut fixing



Technical data see page 1 - 22

Lenses:

Lens, square, transparent colourless: **5.49.077.012/1002** Lens, square, transparent red: **5.49.077.012/1306** Lens, square, transparent yellow: **5.49.077.012/1403** Lens, square, transparent green: **5.49.077.012/1505**

Lens, square, transparent blue: 5.49.077.012/1607

Note when using LEDs: A notch on the lamp socket identifies the cathode side.



Pict.: with colourless lens			Panel cut-out
Contact function	Contact arrangement	Order no. without lens	Note
momentary	1 NO		Please include the desired lens in your order.

Technical data see page 1 - 22

LUM0 25

Lenses: Lens, square, transparent colourless: 5.49.077.011/1002 Lens, square, transparent red: 5.49.077.011/1306

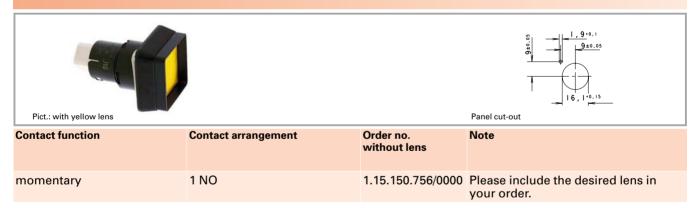
Lens, square, transparent yellow: 5.49.077.011/1403

Lens, square, transparent green: 5.49.077.011/1505

Lens, square, transparent blue: 5.49.077.011/1607

Note when using LEDs: A notch on the lamp socket identifies the cathode side.

LUMOTAST 25 illuminated pushbutton with protruding collar, ring nut fixing



Technical data see page 1 - 22

Lenses:

Lens, square, transparent colourless: **5.49.077.011/1002** Lens, square, transparent red: **5.49.077.011/1306** Lens, square, transparent yellow: **5.49.077.011/1403**

Lens, square, transparent green: 5.49.077.011/1505

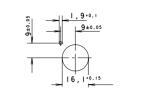
Lens, square, transparent blue: **5.49.077.011/1607**

Note when using LEDs: A notch on the lamp socket identifies the cathode side.



LUMOTAST 25 selector switch





Panel cut-out

Technical data

General information		Electrical characteristics	
Form of lens	handle	Rated voltage AC/DC max.	42 V
Colour of handle	black opaque	Rated voltage AC/DC min.	0.02 V
Form of collar	square	Rated current AC/DC max.	100 mA
		Rated current AC/DC min.	0.01 mA
Dimensions		Contact resistance max.	100 mΩ
Length of collar	25 mm	Bouncing time max.	5 ms
Width of collar	25 mm		
Overall height	17 mm	Other specifications	
Mounting depth with		Operating life	
connector	30.7 mm	(operations)	500000
Mounting depth with		Degree of protection	
plug-in socket	33.4 mm	from front side	IP65
Mounting hole	16.2 mm	Ambient temp. operating	
0		min.	-25 °C
Mechanical design		Ambient temp. operating	
Mounting	see order block	max.	+70 °C
Terminals	pin connector 4-pol./	Storage temperature min.	-40 °C
	plug-in socket	Storage temperature max.	+80 °C
Contact system	snap-action contact	Resistance to constant	
Contact function	see order block	environment	according to
Contact arrangement	1 NO		IEC 600 68-2-3 and 2-30
Contact materials	Au	Resistance at variable	
Illuminability	no	environment	according to
/			IEC 600 68-2-14 and 2-33
Mechanical characteristics		Weight	8 g
			- 0

Mechanical characteristics Operating force min.

Rotating angle Robustness max. 0,03 Nm see order block 1,5 Nm

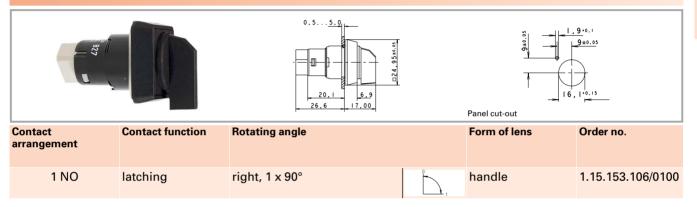
Accessories LUMOTAST 25 selector switch

Description	Photo	Order no.	Page
Plug-in socket for PCB		5.00.645.036/0000	5 - 25
Cable (flat ribbon cable 10 cm with socket connector and male quick connector, AMP 4-pin)		5.03.771.306/0000	5 - 24
Blanking cap complete with sealing disc and ring nut, square		5.05.800.049/0100	5 - 29
Label holder, flush, for square collar	ð	5.07.620.004/0000	2 - 66

Accessories LUMOTAST 25 selector switch



LUMOTAST 25 selector switch, ring nut fixing

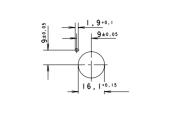


Technical data see page 1 - 28

SOLUTIONS WITH PASSION

LUMOTAST 25 keylock switch





Panel cut-out

Technical data

General information Colour of lens Form of collar

Dimensions

Length of collar Width of collar Overall height Mounting depth with connector Mounting depth with plug-in socket Mounting hole

Mechanical design

Mounting Terminals

Contact system Contact function Contact arrangement Contact materials Illuminability Lamp socket Lock Wafers Lock type Number of locking positions Main key Symmetric key Key removal position black opaque square

25 mm 25 mm 32.3 mm 30.7 mm

33.4 mm 16.2 mm

ring nut pin connector 4-pol./ plug-in socket snap-action contact latching 1 NO Au no no cylinder lock 8 pins 5201 10000 yes yes , see order block

Mechanical characteristics Operating force max. Rotating angle	1,5 Nm 90°
Electrical characteristics Rated voltage AC/DC max. Rated voltage AC/DC min. Rated current AC/DC max. Rated current AC/DC min. Contact resistance max. Bouncing time max.	42 V 0.02 V 100 mA 0.01 mA 100 mΩ 5 ms
Other specifications Operating life	
(operations)	50000
Degree of protection	
from front side	IP65
Ambient temp. operating min. Ambient temp. operating	-25 °C
max.	+70 °C
Storage temperature min.	-40 °C
Storage temperature max. Resistance to constant	+80 °C
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	20 g

Accessories LUMOTAST 25 keylock switch

Description	Photo	Order no.	Page
Plug-in socket for PCB		5.00.645.036/0000	5 - 25
Cable (flat ribbon cable 10 cm with socket connector and male quick connector, AMP 4-pin)	B	5.03.771.306/0000	5 - 24
Blanking cap complete with sealing disc and ring nut, square		5.05.800.049/0100	5 - 29



Accessories LUMOTAST 25 keylock switch

Description	Photo	Order no.	Page	
Label holder, flush, for square collar	8	5.07.620.004/0000	2 - 66	
Flat ribbon cable, 4-wire, 1 m long	0	5.37.700.124/0000	5 - 25	
Fixing spanner M 15, M 16		5.58.002.019/0105	5 - 23	
Spare key		5.58.015.201/0000		
Legend label 23 x 16 for label holder, without legend	£.16	5.73.111.000/0000	2 - 66	
Socket connector, 4-pin		5.92.025.368/0000	5 - 24	L

LUMOTAST 25 keylock switch

1,53,5				<u>9±0.05</u>		
Contact arrangement	Contact function	Rotating angle		Key removal po- sition	Colour of lens	Order no.
1 NO	latching	90°	Ď,	0	black opaque	1.15.156.001/0000
1 NO	latching	90°		0 + 1	black opaque	1.15.156.011/0000

Technical data see page 1 - 30

Included: 2 keys.

LUMOTAST 25



LUMOTAST 25 emergency stop pushbutton

LUM0 25



Technical data

General information		Electrical characteristics	
Colour of lens	opaque red	Rated voltage AC/DC max.	25 V
Form of collar	square	Rated voltage AC/DC min.	0.02 V
Colour of collar	see order block	Rated current AC/DC max.	100 mA
			(1A short-circuit current)
Dimensions		Rated current AC/DC min.	0.01 mA
Length of collar	25 mm	Contact resistance max.	100 mΩ
Width of collar	25 mm	Bouncing time max.	10 ms
Overall height	18.5 mm		
Mounting depth with		Other specifications	
connector	30.7 mm	Operating life	15000
Mounting depth with		Degree of protection	
plug-in socket	33.4 mm	from front side	IP65
Mounting hole	16.2 mm	Ambient temp. operating	
		min.	-25 °C
Mechanical design		Ambient temp. operating	
Mounting	ring nut	max.	+70 °C
Terminals	pin connector 4-pol./	Storage temperature min.	-40 °C
	plug-in socket	Storage temperature max.	+80 °C
Contact system	snap-action contact	Resistance to constant	
Contact function	latching	environment	according to
Contact arrangement	2 NC (forcibly actuated)		IEC 600 68-2-3 and 2-30
Contact materials	Au	Resistance at variable	
llluminability	no	environment	according to
•• • • • • • • • •			IEC 600 68-2-14 and 2-33
Mechanical characteristics		Weight	9 g
Operating force max.	10 N	Approvals	TUV/UL according to EN
Operating travel	2.6 mm		60947-5-5 and -5-1/A2, UL
Switching travel	2 mm		508
Robustness min.	100 N		

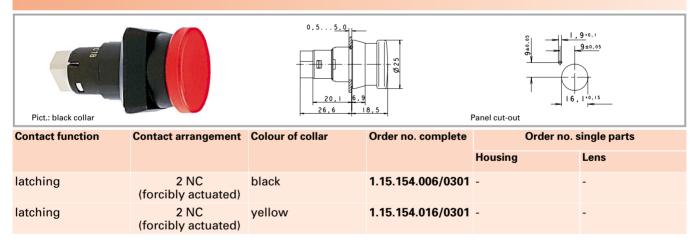
Accessories LUMOTAST 25 emergency stop pushbutton

Description	Photo	Order no.	Page
Plug-in socket for PCB		5.00.645.036/0000	5 - 25
Cable (flat ribbon cable 10 cm with socket connector and male quick connector, AMP 4-pin)		5.03.771.306/0000	5 - 24
Blanking cap complete with sealing disc and ring nut, square		5.05.800.049/0100	5 - 29
Label holder, flush, for square collar	8	5.07.620.004/0000	2 - 66

Accessories LUMOTAST 25 emergency stop pushbutton

Description	Photo	Order no.	Page
Flat ribbon cable, 4-wire, 1 m long	0	5.37.700.124/0000	5 - 25
Fixing spanner M 15, M 16		5.58.002.019/0105	5 - 23
Legend label 23 x 16 for label holder, without legend	0.06	5.73.111.000/0000	2 - 66
Emergency stop label, yellow, adhesive, round 60 mm, without legend		5.76.204.425/0400	
Emergency stop label, yellow, adhesive, round 60 mm, with legend "NOT-AUS"		5.76.204.426/0400	
Emergency stop label, yellow, adhesive, round 60 mm, with legend "ARRET-D'URGENCE"		5.76.204.427/0400	
Emergency stop label, yellow, adhesive, round 60 mm, with legend "EMERGENCY-STOP"		5.76.204.428/0400	
Emergency stop label, yellow, adhesive, round 60 mm, with legend "ARRESTO-D'EMERGENZA"		5.76.204.429/0400	
Socket connector, 4-pin		5.92.025.368/0000	5 - 24

LUMOTAST 25 emergency stop pushbutton, ring nut fixing



Technical data see page 1 - 32

SOLUTIONS WITH PASSION

LUMO 25



LUMOTAST 25 signal lamp



9±0.05 Panel cut-out

> 24 V 0,7 W

IP65 7 g

-25 °C

+70 °C -40 °C

+80 °C

1,9+0.1

9±0.05

Technical data

Lamp socket

Lamp

General information Form of lens Colour of lens	square see order block	Electrical characteristics Voltage limit max. Power limit max.
Dimensions		Other specifications
Length of collar	25 mm	Degree of protection
Width of collar	25 mm	from front side
Overall height	9.8 mm	Weight
Mounting depth with		Ambient temp. operating
connector	30.7 mm	min.
Mounting depth with		Ambient temp. operating
plug-in socket	33.4 mm	max.
Mounting hole	16.2 mm	Storage temperature min.
		Storage temperature max.
Mechanical design		
Mounting	see order block	
Terminals	pin connector 4-pol./	

plug-in socket

Bi-Pin T 1/T 1¹/₄ filament lamp / LED

Accessories LUMOTAST 25 signal lamp

Description	Photo	Order no.	Page
Filament lamp, Bi-Pin T 1¼ base, 12 V		1.90.180.474/0000	5 - 5
Filament lamp, Bi-Pin T 1¼ base, 28 V		1.90.180.475/0000	5 - 5
LED Bi-Pin T 1 superbright, red, 24 V		1.90.690.351/0000	5 - 17
LED Bi-Pin T 1 superbright, green, 24 V		1.90.690.352/0000	5 - 17
LED Bi-Pin T 1 superbright, yellow, 24 V		1.90.690.353/0000	5 - 17
LED Bi-Pin T 1 superbright, blue, 24 V		1.90.690.354/0000	5 - 17
LED Bi-Pin T 1 superbright, white, 24 V		1.90.690.355/0000	5 - 17
LED Bi-Pin T 1, red, 3 V		1.90.691.026/0000	5 - 17

LUMO 25

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LUMO 25

Accessories LUMOTAST 25 signal lamp

Description	Photo	Order no.	Page
LED Bi-Pin T 1, green, 3 V		1.90.691.027/0000	5 - 17
LED Bi-Pin T 1, yellow, 3 V		1.90.691.028/0000	5 - 17
Plug-in socket for PCB	<u></u>	5.00.645.036/0000	5 - 25
Cable (flat ribbon cable 10 cm with socket connector and male quick connector, AMP 4-pin)		5.03.771.306/0000	5 - 24
Disassembly tool for LUMOTAST 25, RAFIX 16]	5.05.800.042/0000	2 - 65 5 - 24
Blanking cap complete with sealing disc and ring nut, square	-	5.05.800.049/0100	5 - 29
Label holder, flush, for square collar	8	5.07.620.004/0000	2 - 66
Flat ribbon cable, 4-wire, 1 m long	0	5.37.700.124/0000	5 - 25
Fixing spanner M 15, M 16		5.58.002.019/0105	5 - 23
Legend insert, blank, use only for transparent lenses		5.70.635.000/2000	
Legend label 23 x 16 for label holder, without legend	tin	5.73.111.000/0000	2 - 66
Socket connector, 4-pin		5.92.025.368/0000	5 - 24

LUMOTAST 25 signal lamp, 24 V, "Click" quick-assembly feature

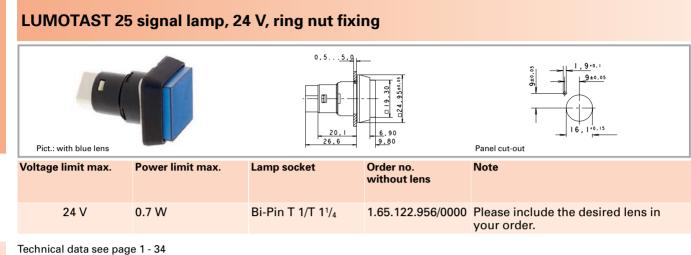
Pict.: with red lens		1,5 <u>3.5</u> 20,1 26,6	6, 90 9, 80	Panel cut-out
Voltage limit max.	Power limit max.	Lamp socket	Order no. without lens	Note
24 V	0.7 W	Bi-Pin T 1/T 1 ¹ / ₄	1.65.122.906/0000	Please include the desired lens in your order.

Technical data see page 1 - 34

Lenses:

Lens, square, transparent colourless: **5.49.077.014/1002** Lens, square, transparent red: **5.49.077.014/1306** Lens, square, transparent yellow: **5.49.077.014/1403** Blende quadratisch, transparent grün: **5.49.077.014/1505** Lens, square, transparent blue: **5.49.077.014/1607**

Do not press in lens in disassembled condition. Note when using a LED: A notch on the lamp identifies the cathode side.



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Lenses: Lens, square, transparent colourless: 5.49.077.014/1002 Lens, square, transparent red: 5.49.077.014/1306 Lens, square, transparent yellow: 5.49.077.014/1403 Lens, square, transparent green: 5.49.077.014/1505

Lens, square, transparent blue: 5.49.077.014/1607

Do not press in lens in disassembled condition. Note when using LED: A notch on the lamp socket identifies the cathode side.

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Pushbuttons