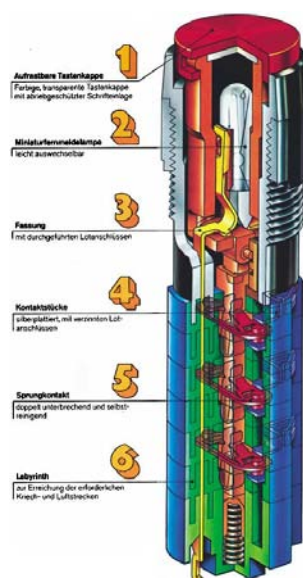




General data

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.
- 2 NC + 2 NO max. (3 NC + 3 NO on request)
- Lamp socket T 4.5

Content

LUMOTAST 75 illuminated pushbutton IP40

- LUMOTAST 75 illuminated pushbutton IP40, protruding lens, round collar
- LUMOTAST 75 illuminated pushbutton IP40, flush lens, square collar
- LUMOTAST 75 illuminated pushbutton IP40, flush lens, rectangular collar
- LUMOTAST 75 illuminated pushbutton IP40, protruding lens, square collar

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LUMOTAST 75 keylock switch IP40

- LUMOTAST 75 keylock switch IP40, round collar
- LUMOTAST 75 keylock switch IP40, rectangular collar

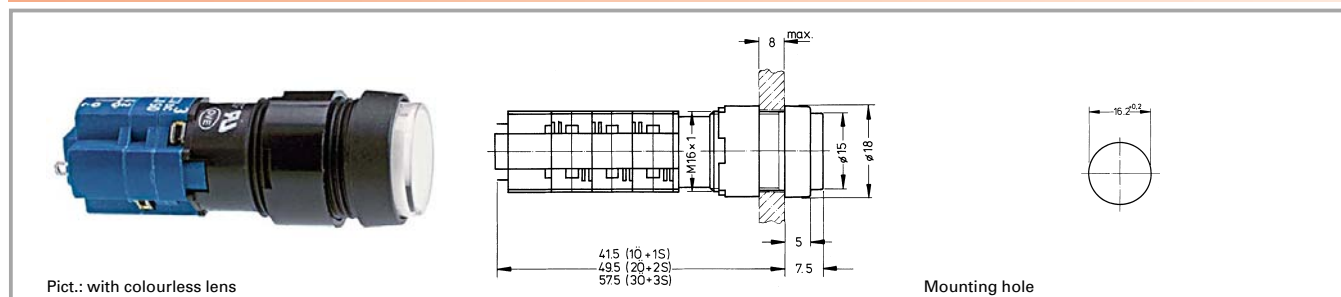
1 - 44
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LUMOTAST 75 IP40 signal lamp with lamp socket T 4.5

- LUMOTAST 75 IP40 signal lamp with lamp socket T 4.5, round collar, protruding lens
- LUMOTAST 75 IP40 signal lamp, square collar, flush lens
- LUMOTAST 75 IP40 signal lamp, rectangular collar, flush lens
- LUMOTAST 75 IP40 signal lamp, square collar, protruding lens

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LUMOTAST 75 illuminated pushbutton IP40



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
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

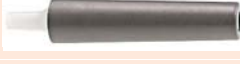
Other specifications

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 60695-2-1	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

Accessories LUMOTAST 75 illuminated pushbutton IP40

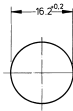
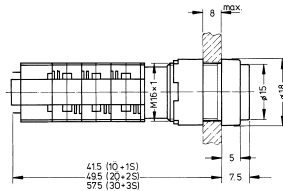
Description	Photo	Order no.	Page
LED T 4.5 superbright, red, 24 V		1.90.690.331/0000	5 - 18
LED T 4.5 superbright, green, 24 V		1.90.690.332/0000	5 - 18
LED T 4.5 superbright, yellow, 24 V		1.90.690.333/0000	5 - 18
LED T 4.5 superbright, blue, 24 V		1.90.690.334/0000	5 - 18
LED T 4.5 superbright, white, 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 IP40, protruding lens, round collar



Pict.: with colourless lens



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.

Technical data see page 1 - 38

Lenses:

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:

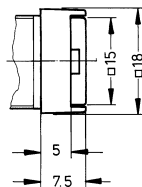
Diffuser, round, for filament lamp, without legend: **5.72.050.000/0202**

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

LUMO
75 (40)

LUMOTAST 75 illuminated pushbutton IP40, flush lens, square collar


Pict.: with red lens, without ring nut



Mounting hole

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.

Technical data see page 1 - 38

Lenses:

 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

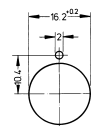
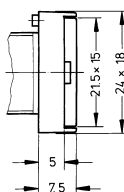
 Diffuser, square, for filament lamp, without legend: **5.73.013.000/0202**

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

LUMOTAST 75 illuminated pushbutton IP40, flush lens, rectangular collar



Pict.: with green lens



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.

Technical data see page 1 - 38

Lenses:

 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

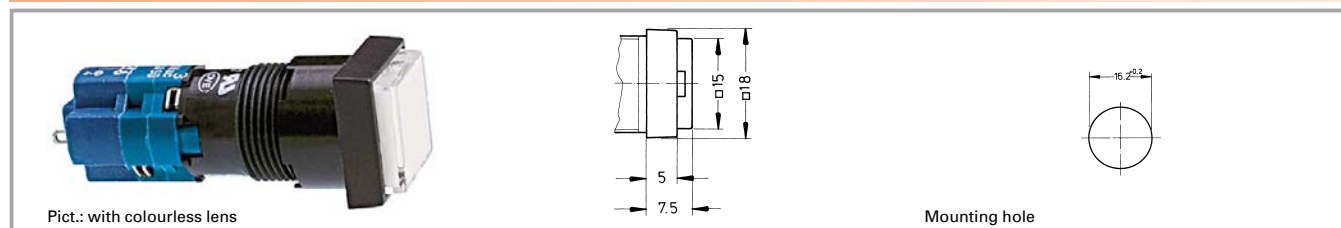
Protective cap (for 18 x 24 collar): 5.05.800.027/0000

 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

1



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.

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Technical data see page 1 - 38

Lenses:

 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

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
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

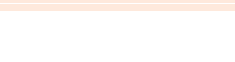
Other specifications

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 60695-2-1	yes

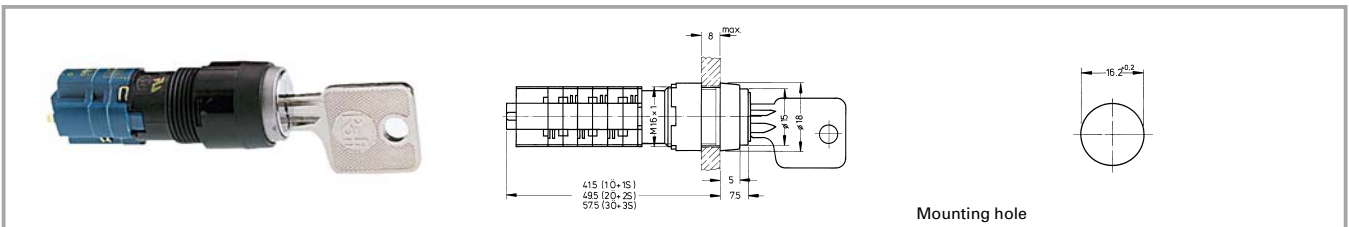
Accessories LUMOTAST 75 keylock switch IP40

Description	Photo	Order no.	Page
Blanking cap, black, to cover spare holes, dimensions 18 x 24 mm		5.52.006.021/0100	5 - 28
Blanking cap, black, to cover spare holes, round 18 mm		5.52.006.022/0100	5 - 28

Accessories LUMOTAST 75 keylock switch IP40

Description	Photo	Order no.	Page
Fixing spanner M 15, M 16		5.58.002.019/0105	5 - 23
Key cap for LUMO 75		5.58.002.030/0000	
Spare key for LUMO 75		5.58.004.721/0000	

LUMOTAST 75 keylock switch IP40, round collar



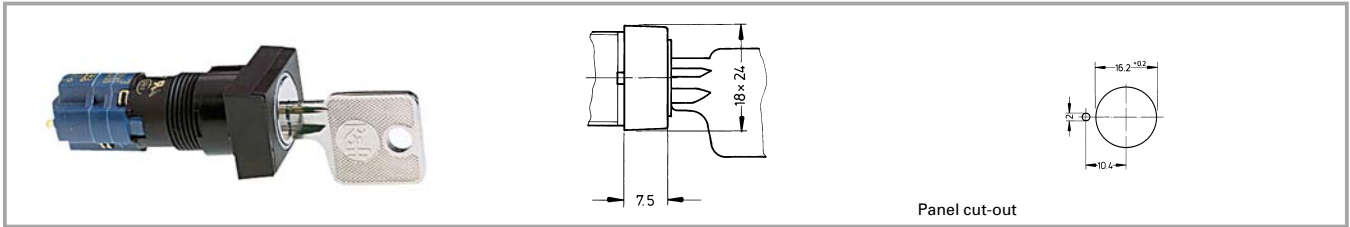
Contact arrangement	Contact function	Rotating angle	Key removal position	Colour of collar	Order no.
1 NC + 1 NO	latching	90°		black	1.15.108.851/0000
1 NC + 1 NO	latching	90°		black	1.15.108.911/0000
1 NC + 1 NO	momentary	45°		black	1.15.108.941/0000
2 NC + 2 NO	latching	90°		black	1.15.108.852/0000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

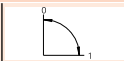
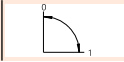
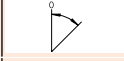
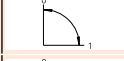
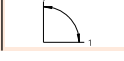
Technical data see page 1 - 44

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.
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)

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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