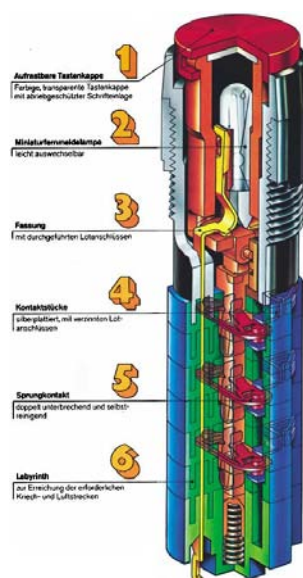




## General data

### LUMOTAST 75 IP40 pushbutton range

Illuminated pushbuttons, signal lamps and keylock switches

- Mounting hole diameter 16.2 mm
- Degree of protection IP40
- Solder terminals for the following wire cross-sections:
  - Installed 0.5 mm<sup>2</sup> max.
  - Factory terminated 0.35 mm<sup>2</sup> max.
- 250 V/4 A max.
- 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

1 - 38  
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1 - 42  
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### LUMOTAST 75 keylock switch IP40

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

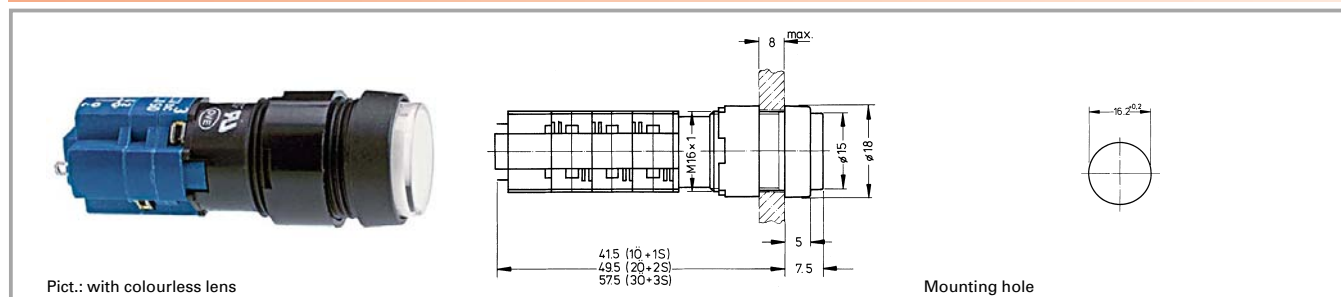
1 - 44  
1 - 45  
1 - 46

### 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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1 - 49  
1 - 50  
1 - 50  
1 - 51

## 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     |

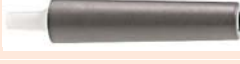
## Other specifications

|                                           |                                        |
|-------------------------------------------|----------------------------------------|
| Operating life, at 250 V/2 A (operations) | 200000 (momentary)                     |
| Operating life, at 250 V/4 A (operations) | 60000 (momentary),<br>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 |       | <b>1.90.100.022/0000</b> | 5 - 6 |
| Filament lamp, T 4.5 base, 24 V |       | <b>1.90.100.023/0000</b> | 5 - 6 |

**Accessories LUMOTAST 75 illuminated pushbutton IP40**

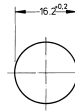
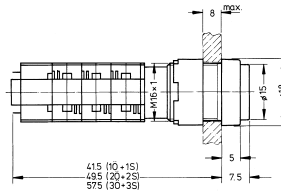
| Description                                                      | Photo                                                                                | Order no.                | Page   |
|------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------|--------|
| LED T 4.5 superbright, red, 24 V                                 |    | <b>1.90.690.331/0000</b> | 5 - 18 |
| LED T 4.5 superbright, green, 24 V                               |    | <b>1.90.690.332/0000</b> | 5 - 18 |
| LED T 4.5 superbright, yellow, 24 V                              |    | <b>1.90.690.333/0000</b> | 5 - 18 |
| LED T 4.5 superbright, blue, 24 V                                |    | <b>1.90.690.334/0000</b> | 5 - 18 |
| LED T 4.5 superbright, white, 24 V                               |    | <b>1.90.690.335/0000</b> | 5 - 18 |
| LED T 4.5, red, 2-3 V                                            |    | <b>1.90.692.001/0000</b> | 5 - 18 |
| LED T 4.5, green, 2-3 V                                          |    | <b>1.90.692.002/0000</b> | 5 - 18 |
| LED T 4.5, yellow, 2-3 V                                         |    | <b>1.90.692.003/0000</b> | 5 - 18 |
| Lamp extractor for T 4.5/5.5, lamp diameter 4 mm                 |   | <b>1.90.900.002/0000</b> | 5 - 22 |
| Lamp extractor for lamp diameter 5-6 mm                          |  | <b>1.90.900.004/0000</b> | 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                                        |  | <b>5.58.002.019/0105</b> | 5 - 23 |

1

**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            | <b>1.15.108.451/0000</b> | Please include the desired lens and diffuser in your order. |
| 1 NC + 1 NO         | latching         | black            | <b>1.15.108.551/0000</b> | Please include the desired lens and diffuser in your order. |
| 2 NC + 2 NO         | momentary        | black            | 1.15.108.452/0000        | Please include the desired lens and diffuser in your order. |
| 2 NC + 2 NO         | latching         | black            | 1.15.108.552/0000        | Please include the desired lens and diffuser in your order. |

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:**

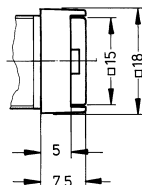
Diffuser, round, for filament lamp, without legend: **5.72.050.000/0202**

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            | <b>1.15.108.251/0000</b> | Please include the desired lens and diffuser in your order. |
| 1 NC + 1 NO         | latching         | black            | <b>1.15.108.351/0000</b> | Please include the desired lens and diffuser in your order. |
| 2 NC + 2 NO         | momentary        | black            | 1.15.108.252/0000        | Please include the desired lens and diffuser in your order. |
| 2 NC + 2 NO         | latching         | black            | 1.15.108.352/0000        | Please include the desired lens and diffuser in your order. |

**LUMO**  
**75 (40)**

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

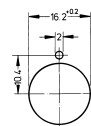
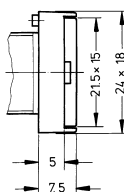
 Diffuser, square, for filament lamp, without legend: **5.73.013.000/0202**

 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            | <b>1.15.108.051/0000</b> | Please include the desired lens and diffuser in your order. |
| 1 NC + 1 NO         | latching         | black            | <b>1.15.108.151/0000</b> | Please include the desired lens and diffuser in your order. |
| 2 NC + 2 NO         | momentary        | black            | 1.15.108.052/0000        | Please include the desired lens and diffuser in your order. |
| 2 NC + 2 NO         | latching         | black            | 1.15.108.152/0000        | Please include the desired lens and diffuser in your order. |

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**

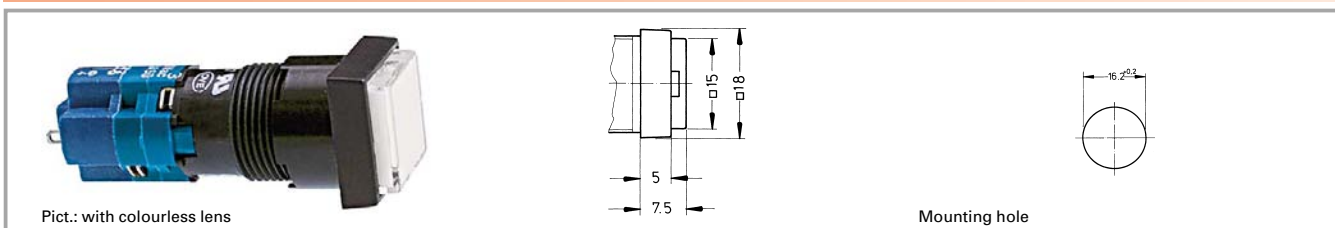
### Accessories:

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**


| 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. |

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 keylock switch IP40



Mounting hole

### Technical data

LUMO  
75 (40)

#### 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 |
|----------------|-----------------|

#### 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  |

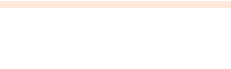
#### Other specifications

|                                           |                                       |
|-------------------------------------------|---------------------------------------|
| 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                                   |

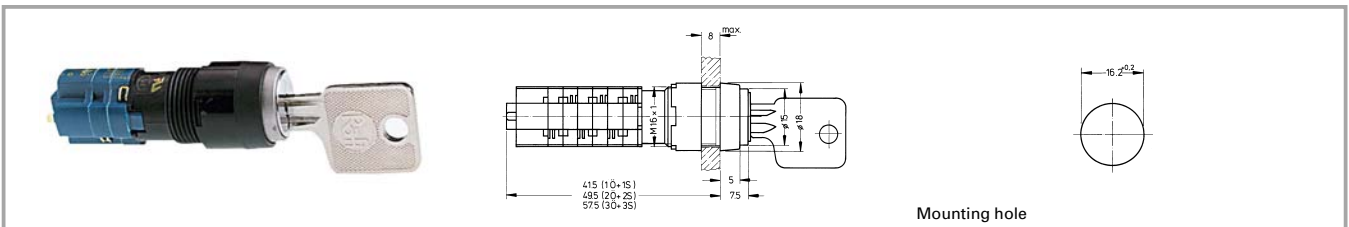
### Accessories LUMOTAST 75 keylock switch IP40

| 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            | <b>1.15.108.851/0000</b> |
| 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        |

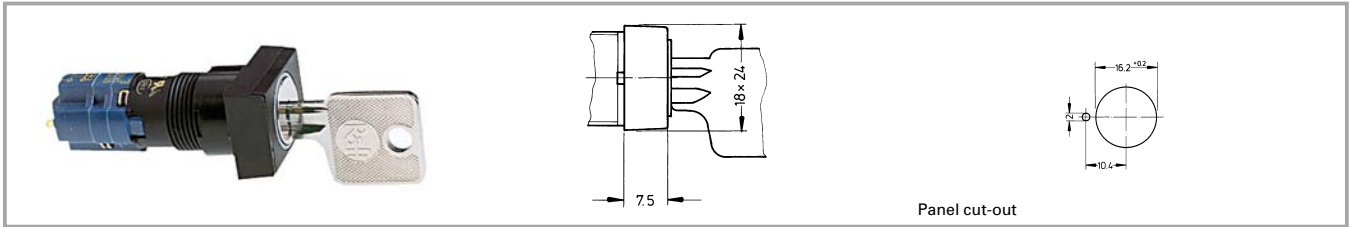
Technical data see page 1 - 44

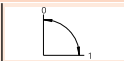
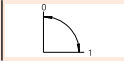
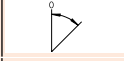
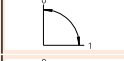
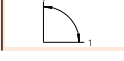
Included: 2 keys.

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

Technical data see page 1 - 44

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

LUMO  
75 (40)