

Flat. Reliable. Flexible.


## A CLEAR SIGNAL

## LUMOTAST 16 - FLAT. RELIABLE. FLEXIBLE.

Space for pushbuttons and switches is limited EMERGENCY STOP
on many devices - especially when they must be The LUMOTAST 16 emergency stop variant reliably both handy and user-friendly. This has previous- brings machines and equipment to a standstill. With ly led to compromises in this area - in terms of the its attractive design, the LUMOTAST 16 is a real design or quality. That's why we developed the LUMOTAST 16.

The new single pushbutton series, consisting of a pushbutton and emergency stop, is designed primarily or use in applications such as equipment manufacturing and hand-held terminals. This space-saving component family is equally impressive at the front and at the rear.

## PUSHBUTTONS

The built-in tactile switches offer crisp feedback. Spe cial, first-class switching behavior is achieved, com buttons can be labeled to suit any application by th manufacturer or customer

For hand-held devices, the trend is towards wireles solutions with a radio connection to the machine. The emergency stop buttons used here must offer special functions, such as our special "active/inactive" emer gency stop variant - an innovation with a signaling ef fect. Precisely matched to the applicable safety stan dards, this special emergency stop not only increase safety, but also convenience. Our "active/inactive variant only switches if the device is connected to cial variant lights up red when active. The hard-wired emergency stop on the machine or system is not af fected by this.
$\rightarrow$ Product range with a wide variety of possible appliCations and uses in industry
Standardized mounting hole diameter 16.2 mm
$\rightarrow$ Mounting depth just 18.0 mm
$\rightarrow$ Very compact, flat design - from the front
$\rightarrow$ Flexible and simple labeling optio
$\rightarrow$ Pushbuttons with crisp fee
Degree of protection IP 65 and IP 67
Dupe-proof and illuminated emergency stop switches to IEC 60 947-5-5

## LUMOTAST 16 PRODUCT PORTFOLIO:

C-LAB pushbutton and C-LAB illuminated pushbut ton with customized labeling
Illuminated pushbutton
$\rightarrow$ Pushbutton
$\rightarrow$ "active/inactive" emergency stop


C-LAB, ASSEMBLY INSTRUCTIONS


LUMOTAST 16, C-LAB


Basic version with insertion adapter
Legend insert
Bezel, transparent

| $\rightarrow$ LUMOTAST 16 pushbutton C-LAB |  |  |
| :---: | :---: | :---: |
|  | Color | Order no. |
| C-LAB pushbutton, basic version | - | 1.15.210.900/0000 |
| C-LAB bezel | opaque black | 5.00.888.504/0100 |
| C-LAB bezel | opaque white | 5.00.888.504/0200 |
| C-LAB bezel | opaque red | 5.00.888.504/0300 |
| C-LAB bezel | opaque yellow | 5.00.888.504/0400 |
| C-LAB bezel | opaque green | 5.00.888.504/0500 |
| C-LAB bezel | opaque blue | 5.00.888.504/0600 |
|  |  |  |
| $\rightarrow$ LUMOTAST 16 C -LAB illuminated pushbutton |  |  |
|  | Color | Order no. |
| C-LAB illuminated pushbutton, basic version | - | 1.15.210.910/0000 |
| C-LAB bezel | translucent white | 5.00.888.505/2200 |
| C-LAB bezel | translucent red | 5.00.888.505/2300 |
| C-LAB bezel | translucent yellow | 5.00.888.505/2400 |
| C-LAB bezel | translucent green | 5.00.888.505/2500 |
| C-LAB bezel | translucent blue | 5.00.888.505/2600 |

$\rightarrow$ LUMOTAST 16 C-LAB illuminated pushbutton, inscribable

|  | Color | Order no. |
| :---: | :---: | :---: |
| C-LAB illuminated pushbutton, inscribable, basic version | - | 1.15.210.920/0000 |
| C-LAB bezel | transparent white | 5.00.888.506/1000 |
| C-LAB bezel | transparent red | 5.00.888.506/1300 |
| C-LAB bezel | transparent yellow | 5.00.888.506/1400 |
| C-LAB bezel | transparent green | 5.00.888.506/1500 |
| C-LAB bezel | transparent blue | 5.00.888.506/1600 |
| Labeling sheet DIN A4, with 7x9 legend insert, unlabeled for self-printing |  | 5.70.800.203/0000 |

$\rightarrow$ Front rings

| Front ring | Order no. |
| :--- | :--- |
| black | $5.00 .888 .510 / 0100$ |
| red | $5.00 .888 .510 / 0300$ |
| yellow | $5.00 .888 .510 / 0400$ |
| green | $5.00 .888 .510 / 0500$ |
| blue | $5.00 .888 .510 / 0600$ |
| metallized | $5.00 .888 .510 / 8100$ |

LUMOTAST 16
PUSHBUTTON, ILLUMINATED PUSHBUTTON
$\rightarrow$ Through the use of RAFI tactile switches, the LUMOTAST 16 pushbuttons and illuminated pushbuttons offer crisp, tactile feedback - with a distinct key click. They offer an impressively wide range of possible industrial uses and applications.


| $\rightarrow$ | General |  |
| :---: | :---: | :---: |
|  | Model designation | Pushbutton, illuminated pushbutton |
|  | Collar shape | round |
|  | Front ring color | black/metallized |
|  | Mounting dimensions |  |
|  | Collar dimension | 23.5 mm |
|  | Overall height | 22.3 mm |
|  | Mounting depth | 18.0 mm |
|  | Mounting hole | 16.2 mm |
|  | Key grid | $25 \times 25 \mathrm{~mm}$ |
| $\rightarrow$ | Technical data |  |
|  | Fixing | Threaded ring |
|  | Torque for threaded ring | max. 0.8 Nm |
|  | Terminal on the rear | Male quick-connect terminal $2.8 \times 0.5 \mathrm{~mm}$ |
|  | Contact material | Gold |

$\rightarrow$ Electrical data
Contact configuration
Rated voltage, min.
Rated voltage, max.
Rated current, min.

|  | 100 mA |
| :--- | :--- |
| Max. rated voltage as per UL 60947 | $30 \mathrm{~V} \mathrm{AC}(42.4 \mathrm{~V}$ peak) |
| Rated power, max. | 1 W |

$\begin{array}{ll}\text { Rated power, max. } & 1 \mathrm{~W}\end{array}$
LED operating voltage, min .
LED operating voltage, max.
ED operating current min
LED operatiting current, min.
LED terminal marking
$\rightarrow$ Other details
Sperating temperature $-25^{\circ} \mathrm{C}$ to $+70^{\circ} \mathrm{C}$
$\quad-40^{\circ} \mathrm{C}$ to $+80^{\circ} \mathrm{C}$
B10
Degree of protection, front side
REACH compliant
600,000
600,000
IP65; IP6

Yes

| $\rightarrow$ LUMOTAST 16 pushbutton |  |  |  |
| :---: | :---: | :---: | :---: |
|  | Color | Order no. Front ring, black | Order no. Front ring, metallized |
| Pushbutton | opaque black | 1.15.210.001/0101 | 1.15.210.021/0100 |
| Pushbutton | opaque white | 1.15.210.001/0201 | 1.15.210.021/0200 |
| Pushbutton | opaque red | 1.15.210.001/0301 | 1.15.210.021/0300 |
| Pushbutton | opaque yellow | 1.15.210.001/0401 | 1.15.210.021/0400 |
| Pushbutton | opaque green | 1.15.210.001/0501 | 1.15.210.021/0500 |
| Pushbutton | opaque blue | 1.15.210.001/0601 | 1.15.210.021/0600 |
| $\rightarrow$ LUMOTAST 16 illuminated pushbutton |  |  |  |
|  | Color | Order no. Front ring, black | Order no. Front ring, metallized |
| Illuminated pushbutton | translucent white | 1.15.210.101/2201 | 1.15.210.121/2200 |
| Illuminated pushbutton | translucent red | 1.15.210.101/2301 | 1.15.210.121/2300 |
| Illuminated pushbutton | translucent yellow | 1.15.210.101/2401 | 1.15.210.121/2400 |
| Illuminated pushbutton | translucent green | 1.15.210.101/2501 | 1.15.210.121/2500 |
| Illuminated pushbutton | translucent blue | 1.15.210.101/2601 | 1.15.210.121/2600 |

## LUMOTAST 16

EMERGENCY STOP
$\rightarrow$ The LUMOTAST 16 emergency stop elements are equipped with up to 3 con tacts. This means that, for example, 2 redundant contacts can be earmarked for safety applications, while a signaling contact triggers the position sensing. An additional safety factor for your application. We offer you a further variant with the "active/inactive" emergency stop.

| General |  |  |
| :---: | :---: | :---: |
|  | Series | LUMOTAST 16 |
|  | Model designation | Emergency stop |
|  | Collar shape | round |
|  | Color | yellow - red / yellow - translucent |
| $\rightarrow$ | Mounting dimensions |  |
|  | Collar dimension | 25.0 mm |
|  | Overall height | 40.8 mm |
|  | Mounting depth | 18.0 mm |
|  | Mounting hole | 16.2 mm |
|  | Key grid | $30 \times 30 \mathrm{~mm}$ |
| $\rightarrow$ | Technical data |  |
|  | Fixing | Threaded ring |
|  | Torque for threaded ring | max. 1.5 Nm |
|  | Terminal on the rear | Male quick-connect terminal $2.8 \times 0.5 \mathrm{~mm}$ |
|  | Contact material | Gold or silver |
| $\rightarrow$ | Gold contacts, electrical data |  |
|  | Contact configuration | see order block |
|  | Rated voltage, min. | 0.02 V |
|  | Rated voltage, max. | 35 V |
|  | Rated current, min. | 1 mA |
|  | Rated current, max. | 100 mA |
|  | Rated power, max. | 0.5 W |
| $\rightarrow$ | Silver contacts, electrical data |  |
|  | Contact configuration | see order block |
|  | Rated voltage, min. | 10 V |
|  | Rated voltage, max. | 35 V |
|  | Rated current, min. | 15 mA |
|  | Rated current, max. | 6 A |
|  | Rated power, max. | 250 W |
| $\rightarrow$ | LED electrical data |  |
|  | LED operating voltage, min. | 18 V |
|  | LED operating voltage, max. | 28 V |
|  | LED operating current, min. | 8 mA |
|  | LED operating current, max. | 18 mA |
| $\rightarrow$ | Other details |  |
|  | Operating temperature | $-25^{\circ} \mathrm{C}$ to $+70^{\circ} \mathrm{C}$ |
|  | Storage temperature | $-40^{\circ} \mathrm{C}$ to $+80^{\circ} \mathrm{C}$ |
|  | Operating life (switching operations) | 30,000 |
|  | Degree of protection, front side | IP65; IP67 |
|  | B10 | 30,000 |

$\rightarrow$ LUMOTAST 16 Emergency stop

| Contact configuration | Illumination | Order no. (Silver) | Order no. (Gold) |
| :--- | :--- | :--- | :--- |
| Emergency stop, 1 NC | No | $1.15 .213 .001 / 0000$ | $1.15 .213 .011 / 0000$ |
| Emergency stop, 2 NC | No | $1.15 .213 .002 / 0000$ | $1.15 .213 .012 / 0000$ |
| Emergency stop, 2 NC + 1 NO | No | $1.15 .213 .003 / 0000$ | $1.15 .213 .013 / 0000$ |
| Emergency stop, 2 NC | illuminated arrows | $1.15 .213 .004 / 0000$ | $1.15 .213 .014 / 0000$ |


| $\rightarrow$ active/inactive emergency stop | Order no. (Silver) | Order no. (Gold) |
| :--- | :--- | :--- |
| 2 NC | $1.15 .213 .054 / 0000$ | $1.15 .213 .064 / 0000$ |

## Contact details



| Germany North |
| :---: |

Nordic region

 Belgium

Germany South



UK \& Ireland


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| :--- |

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