

LUMOTAST 16, illuminated pushbutton 5V, round collar, momentary contact function, frontring metallic silver, 1 NO, bezel red



fields of application

- > Measurement-control-regulation
- > Electrical engineering
- > Mechanical and system engineering
- > Signalling systems
- > Handheld terminals
- Industrial robots
- > Model construction

special features

- > Illuminated by integrated LED
- > Option: C-LAB variant with replaceable legend inserts
- > Round mounting hole, diameter 16.2 mm
- > Mounting depth: 18 mm
- Terminal: male quick-connect terminal 2.8 x 0.5 mm
- > Gold or silver contacts
- > Contacts: Standard: 1NO
- > max 35 V / 100 mA
- > Water jet protection class IP 65 and IP 67 on front



description

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

technical data

>

| > | general | | |
|---|------------------------------|-----------------|-----------------|
| | Bezel color | red | direct links |
| | Property of bezel / mushroom | translucent | > RAFI eCatalog |
| | Collar color | black | |
| | Front ring color | metallic silver | |
| | Luminous element color | white | |
| | Collar shape | round | |
| | Operating temperature, min. | -25 °C | |
| | Operating temperature, max. | 70 °C | |
| | Storage temperature, min. | -40 °C | |
| | Storage temperature, max. | 80 °C | |
| | illuminated | Yes | |
| | Packaging | Box | |
| | Packaging unit | 10 pcs. | |
| | net weight | 4.2 g | |
| | Operating life | 500,000 cycles | |
| | B10 | 600,000 cycles | |

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| | Degree of protection, front side, according to DIN EN 60529 | IP65 IP67 | | | | | |
|---|---|---------------------------------------|--|--|--|--|--|
| | UL Enclosure Type Rating front | type 1 | | | | | |
| | side | type i | | | | | |
| | Vibration resistance according to standard IEC 60068-2-6 | 5 g at 10 - 500 Hz | | | | | |
| | MOQ order | 10 pcs. | | | | | |
| | RoHS compliant | Yes | | | | | |
| | REACH compliant | Yes | | | | | |
| > | mounting diameters | | | | | | |
| | Outside dimension, length | 23.5 mm | | | | | |
| | Outside dimension, width | 23.5 mm | | | | | |
| | Outside dimension, height | 22.3 mm | | | | | |
| | Mounting hole | 16.2 mm | | | | | |
| | Mounting depth | 18 mm | | | | | |
| | Installation height | 4.6 mm | | | | | |
| | Collar dimension | 23.5 mm | | | | | |
| > | mechanical data | | | | | | |
| | Actuation function | momentary contact function | | | | | |
| | Contact function | 1 NO | | | | | |
| | Contact system | Snap-action contact | | | | | |
| | Contact material | Gold | | | | | |
| | Fixing | Threaded ring | | | | | |
| | Solderability | No | | | | | |
| | Threaded ring torque, max. | 0.8 Nm | | | | | |
| | Terminal on the rear | Flat quick-connect terminal 2.8 x 0.5 | | | | | |
| > | electrical data | | | | | | |
| | Rated insulation voltage | 42 V | | | | | |
| | Operating voltage of the luminous element, min. | 4.8 V | | | | | |
| | Operating voltage of the luminous element, max. | 5.2 V | | | | | |
| | Rated voltage, min. | 0.02 V | | | | | |
| | Rated voltage, max. | 35 V | | | | | |
| | Rated voltage, max. acc. to UL 60947 | 30 V AC (42,2 V peak) | | | | | |
| | Voltage type | DC | | | | | |
| | Rated operating voltage | 0.02-35 V | | | | | |
| | Operating current of the luminous | 30 mA | | | | | |
| | element, min. | | | | | | |
| | Operating current of the luminous element, max. | 50 mA | | | | | |
| | Rated current, min. | 0.0001 A | | | | | |
| | Rated current, max. | 0.1 A | | | | | |
| | Rated power, max. | 1 W | | | | | |

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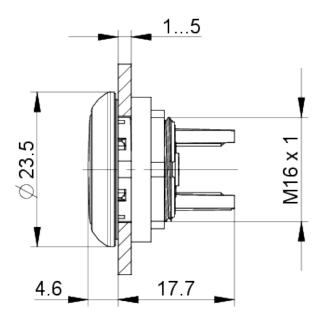
technical data sheet





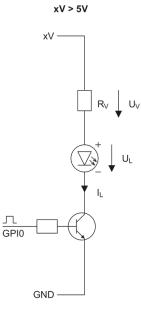
drawings

Dimensioned drawing



System drawing

Getaktete Ansteuerung an einer beliebigen Spannung x > 5V



| | TYP | MIN | MAX | EINHEIT | | _ | |
|-----------------|-----|-----|-----|---------|----|---|---------|
| U _{CE} | 0,3 | | | V | | = | xV - 5V |
| UL | 4,7 | 4,5 | 5,2 | V | Rv | = | xV - 5V |
| ΙL | 40 | | 50 | mA |] | | 40 mA |

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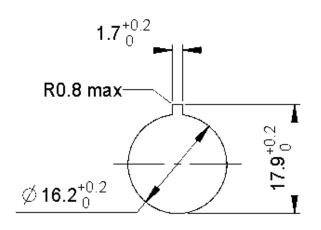
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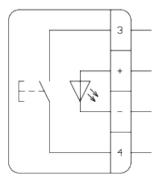




Mounting hole drawing



Schematic diagram



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