

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



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 blue

Property of bezel / mushroom translucent

Collar color black

Front ring color metallic silver

Luminous element color white Collar shape round -25 °C Operating temperature, min. Operating temperature, max. 70 °C -40 °C Storage temperature, min. 80 °C Storage temperature, max. illuminated Yes Packaging Box Packaging unit 10 pcs. net weight 4.2 g

500,000 cycles Operating life B10 600,000 cycles

direct links

> RAFI eCatalog

The information in this data sheet only contains general descriptions and / or performance features, which may not apply precisely as described to the respective application, and which my change due to further product enhancements. The technical data, illustrations and other information about our products are the mere results of individual technical testing. These descriptions and other product features are only binding if they expressly agreed upon at the time of the conclusion of a binding contract. In all other cases, we reserve the right to make technical changes as well as changes of availability. Pictures and other graphic illustrations are approximations only. All product names may be trademarks or brand names of the RAFI Group or any other sub-supplier of RAFI. The use of such by any third parties for their own purposes may infringe the rights of the respective entity holding those rights. date: Sep 1, 2024 page: 1/4

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Degree of protection, front side, according to DIN EN 60529 IP67

UL Enclosure Type Rating front type 1

side

Vibration resistance according to

standard IEC 60068-2-6

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

5 g at 10 - 500 Hz

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 guick-connect terminal 2.8 x 0.5

> electrical data

Rated insulation voltage 42 V Operating voltage of the luminous 4.8 V

element, min.

Operating voltage of the luminous 5.2 V

element, max.

Rated voltage, min. 0.02 V Rated voltage, max. 35 V

Rated voltage, max. acc. to UL 30 V AC (42,2 V peak)

60947

Voltage type DC

Rated operating voltage 0.02-35 V
Operating current of the luminous 30 mA

element, min.

Operating current of the luminous 50 mA

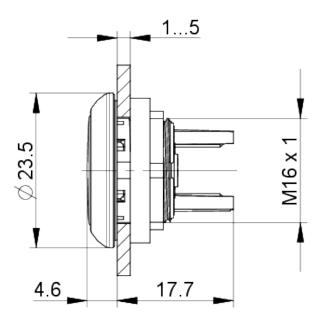
element, max.

Rated current, min. 0.0001 A
Rated current, max. 0.1 A
Rated power, max. 1 W



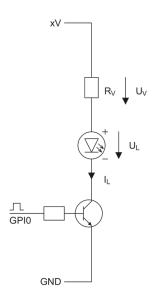
drawings

Dimensioned drawing



System drawing

Getaktete Ansteuerung an einer beliebigen Spannung x > 5V



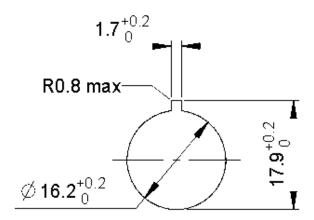
	TYP	MIN	MAX	EINHEIT
U _{CE}	0,3			V
UL	4,7	4,5	5,2	V
IL	40		50	mA

$$U_V = xV - 5V$$

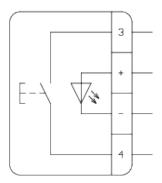
$$R_V = \frac{xV - 5V}{40 \text{ mA}}$$



Mounting hole drawing



Schematic diagram



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