

# LUMOTAST 16, illuminated pushbutton 5V, round collar, C-LAB, momentary contact function, 1 NO, inscribable



#### 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

Packaging unit

>	general

Collar color black 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

net weight 4.2 g Operating life 500,000 cycles 600,000 cycles

Degree of protection, front side, **IP65** according to DIN EN 60529 **IP67** UL Enclosure Type Rating front type 1

Vibration resistance according to

standard IEC 60068-2-6

5 g at 10 - 500 Hz

direct links

> RAFI eCatalog

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10 pcs.

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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 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

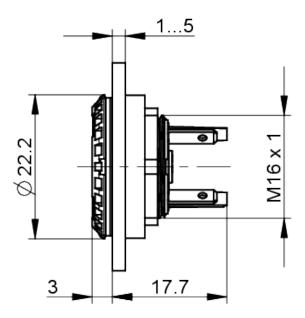
element, max.

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



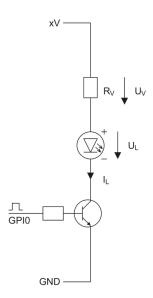
## drawings

### **Dimensioned drawing**



### System drawing

# Getaktete Ansteuerung an einer beliebigen Spannung x > 5V



		TYP	MIN	MAX	EINHEIT
	U <sub>CE</sub>	0,3			V
	UL	4,7	4,5	5,2	V
ı	ΙL	40		50	mA

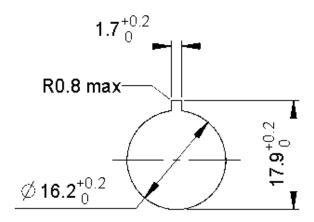
$$U_V = xV - 5V$$

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

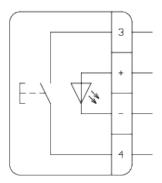
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#### Mounting hole drawing



### Schematic diagram



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