

# LUMOTAST FK, illuminated pushbutton, round collar, housing, momentary contact function, 1 NO



### fields of application

- > Measurement-control-regulation
- > Signalling systems
- > Chemical industry

### special features

- > Mounting hole diameter 16.2 mm
- > 3 collar shapes
- Lamp socket: T1: full-surface illumination with LED is possible
- RAFI Click fastening technology or conventional technology with threaded ring
- Mounting depth behind the front panel only 30.7 mm with female quick connector
- > Gold contacts for safe switching
- Reverse-polarity-secured terminal with 4pole male quick connector and crimped ribbon cable
- Alternative: terminal with plug-in socket in PCB
- > Water jet protection class IP 65 on front
- 1 NO gold contact (max. 35 V/100 mA)

## description

Our LUMOTAST FK illuminated pushbuttons are extremely compact. Featuring RAFI Click fastening technology, they can be frontmounted in seconds. Simply insert the key switch into the front panel, actuate once, and you're done!

The terminal is reverse-polarity secure using a male quick connector with ribbon cable – hence the designation "FK" (Flachbandkabel=ribbon cable). Alternatively, you can mount a plug-in socket as the terminal on the PCB. The integrated T1 lamp socket additionally allows full-surface illumination with LED.

## technical data

| > | general                     |        |                 |
|---|-----------------------------|--------|-----------------|
|   | illuminated                 | Yes    | direct links    |
|   | Collar shape                | round  | > RAFI eCatalog |
|   | Operating temperature, min. | -25 °C |                 |
|   | Operating temperature, max. | 55 °C  |                 |
|   | Storage temperature, min.   | -40 °C |                 |
|   | Storage temperature, max.   | 80 °C  |                 |

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### technical data sheet





|   | Lamp socket   | Bi-pin   |
|---|---|--|
|   | Packaging   | Box  |
|   | Packaging unit  | 10 pcs.  |
|   | Operating life  | 1,000,000 Cycles   |
|   | Degree of protection, front side, according to DIN EN 60529   | IP65   |
|   | RoHS compliant  | Yes  |
|   | REACH compliant   | Yes  |
| > | mounting diameters  |  |
|   | Mounting hole   | 16.2 mm  |
|   | Mounting depth  | 30.7 mm  |
|   | Installation height   | 6.6 mm   |
|   | Outside dimension, length   | 18 mm  |
|   | Outside dimension, width  | 18 mm  |
| > | mechanical data   |  |
|   | Actuation function  | momentary contact function   |
|   |   |  |
|   | Operating force, max.   | 6 N  |
|   | Operating force, max.<br>Operating travel, max.   | 6 N<br>3 mm  |
|   |   | • • •  |
|   | Operating travel, max.  | 3 mm   |
|   | Operating travel, max.<br>Contact function  | 3 mm<br>1 NO   |
|   | Operating travel, max.<br>Contact function<br>Contact system  | 3 mm<br>1 NO<br>Snap-action contact  |
|   | Operating travel, max.<br>Contact function<br>Contact system<br>Contact material  | 3 mm<br>1 NO<br>Snap-action contact<br>Gold  |
| > | Operating travel, max.<br>Contact function<br>Contact system<br>Contact material<br>Fixing  | 3 mm<br>1 NO<br>Snap-action contact<br>Gold<br>Click quick fastener  |
| > | Operating travel, max.<br>Contact function<br>Contact system<br>Contact material<br>Fixing<br>Terminal on the rear  | 3 mm<br>1 NO<br>Snap-action contact<br>Gold<br>Click quick fastener  |
| > | Operating travel, max.<br>Contact function<br>Contact system<br>Contact material<br>Fixing<br>Terminal on the rear<br><b>electrical data</b>                        | 3 mm<br>1 NO<br>Snap-action contact<br>Gold<br>Click quick fastener<br>Male quick connector / plug-in socket           |
| > | Operating travel, max.<br>Contact function<br>Contact system<br>Contact material<br>Fixing<br>Terminal on the rear<br><b>electrical data</b><br>Rated voltage, min. | 3 mm<br>1 NO<br>Snap-action contact<br>Gold<br>Click quick fastener<br>Male quick connector / plug-in socket<br>0.02 V |

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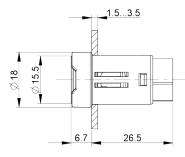
### technical data sheet

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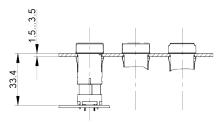
# drawings

### **Dimensioned drawing**

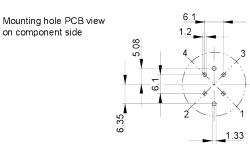


### System drawing

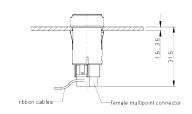
Installation drawing with plug-in socket



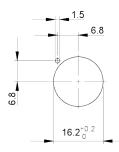
### PCB drawing



### System drawing

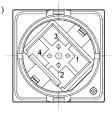


### Mounting hole drawing



### **Connection drawing**

Wiring diagram (view of component buttom)



1 + 4 = Push-button connection, 2 + 3 = Light connection when used LED: Connection 3 = Cathode

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