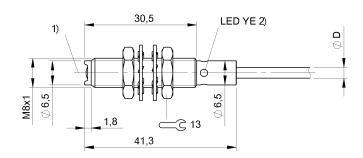
# BOS 08E-X-KS20-02 **Order Code: BOS01Z6**





### 1) Optical axis, 2) Output function









Straight optics

yes

# **Basic features**

Approval/Conformity cULus CF UKCA WEEE Basic standard IEC 60947-5-2 Principle of operation Photoelectric sensor Series 08E Style Cylinder

# **Electrical connection**

Protection against device mix-ups

Cable diameter D 3.00 mm Cable length L 2 m Conductor cross-section 0.14 mm<sup>2</sup> Connection Cable, 2.00 m, PUR Number of conductors Polarity reversal protected yes

# **Electrical data**

No-load current lo max. at Ue 10 mA Operating voltage Ub 10...30 VDC 75 V DC Rated insulation voltage Ui Rated operating voltage Ue DC 24 V Ripple max. (% of Ue) 10 %

# **Environmental conditions**

Ambient temperature -5...55 °C EN 60068-2-27, Shock Half-sinus, 30  $g_n$ , 11 ms, 3x6 Half-sinus, 100 gn, 2 ms, 3x8000 EN 60068-2-6, Vibration 10...2000 Hz, amplitude 1 mm, 30 gn, 3x5 h 10...55 Hz, amplitude 1 mm, 3x30 min IP67 IP rating

# **Functional safety**

MTTF (40 °C) 485.5 a

### Material

Housing material Stainless steel PUR Material jacket Material sensing surface **PMMA** 

# Mechanical data

Dimension Ø 8 x 40 mm Mounting part Nut M8x1

### **Optical features**

Beam characteristic Divergent LED group per IEC 62471 **Exempt Group** Light type LED, red light Principle of optical operation Through-beam sensor (Emitter)

645 nm Wave length

# **Photoelectric Sensors**

# BOS 08E-X-KS20-02 Order Code: BOS01Z6



Range/Distance	Range	02.2 m
	Rated operating distance Sn	2.2 m

### Remarks

Order accessories separately.

For additional information, refer to user's guide.

Only for applications per NFPA 79 (machines with a supply voltage of maximum 600 V). Use an R/C (CYJV2) cable with suitable properties for attaching the device

For more information about MTTF and B10d see MTTF / B10d Certificate

Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

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Opto Symbols			
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