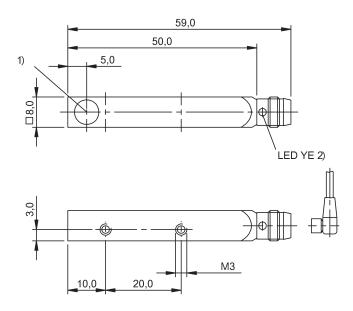
## BOS Q08M-PS-RD11-S49 BOS0041



sensors worldwide





1) Active surface 2) Light reception/Limit range

cULus

**IP67** 

yes

IEC 60947-5-2

yes Series Q08M

Connector

DC, direct current

100 mA 24.0 V

0.10 uF

10 mA

30.0 V

96 V 75 V DC

10 %

400 Hz NO PNP (1x)

1.25 ms

2.5 V

Light receipt - LED YE

Limit range - LED YE, flash.

- Photoelectric sensor
- Series Q08M
- LED, red light up to 100 mm
- General attributes Approvals / Conformity

Basic standard Enclosure Type per IEC 60529 Indicator

Polarity reversal protected Series

Short circuit protected

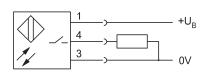
Electrical attributes

Connection type Eff. operating current le Eff. operating voltage Ue DC Electrical version

Load capacitance max. (at Ue) No-load current max. lo at Ue Operating voltage UB max. DC [V] Operating voltage UB min. DC [V] Rated insulation voltage Ui Ripple max. (% of Ue) Switching freq. f max. (at Ue) Switching function

Switching output Turn on time ton max. Voltage drop Ud max. (at le)

Mechanical attributes Ambient temperature Ta max. 60 °C Ambient temperature Ta min. -10 °C M8x1-S49 Connector type







Detection range Sd Eff. operating distance Sr Housing material Length 1 Length 2 Length 3 Minimum operating distance Mounting type Range Sn Sensing face material Style

Surface protection Optical attributes LED group acc. IEC 62471 Light type

Principle of optical operation Switching function, optical Wavelength

0...55 mm 55 mm GD-Zn 8.0 mm 8 0 mm 59.0 mm 0 mm Screw M3 Sn = 55 mm PMMA Block, 90° connection Nickel-plated

Exempt group LED, red light Light scanner, energetic NO: light-on

640 nm

## Additional text

Against line-induced noise an external protection is recommended e.g.capacitor (≥20nF) to ground (please refer to "Information EMC protection" document No. 864234). Reference object (target): Gray card, 100 x 100

 $90\ \%$  remission, axial approach. The sensor is functional again after the overload has been eliminated.

For additional information, refer to user's guide.

Order accessories separately.

Only for NFPA 79 applications (machines with a supply voltage of maximum 600 volts). Device shall be connected only by using any R/C (CYJV2) cord, having suitable ratings.

