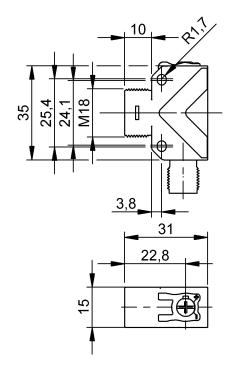
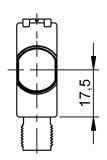
BOS R81K-PA-RH10-S4 Order Code: BOS029E

BALLUFF













Basic features

Approval/Conformity CE cULus UKCA WFFF

Principle of operation Photoelectric sensor Scope of delivery Mounting bracket R81K Series

Style Square with M18 Bullnose

Display/Operation

Display Output function- LED yellow supply voltage - LED green

Electrical connection

Internet

Connection M12x1-Male, 4-pin Polarity reversal protected ves Protection against device mix-ups yes

Short-circuit protection yes

Electrical data

No-load current lo max. at Ue 25 mA 10...30 VDC Operating voltage Ub Rated operating current le 100 mA Rated operating voltage Ue DC 24 V Ready delay tv max. 100 ms 1.8 V Voltage drop Ud max. at le

Environmental conditions

Ambient temperature -15...60 °C IP67 IP rating

Functional safety

MTTF (40 °C) 529 a

Interface

Switching output PNP normally open (NO)

Material

Subject to change without notice: 283449

Housing material ABS PMMA Material sensing surface РММА

eCl@ss 9.1:

Photoelectric Sensors

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Mechanical data

Dimension 15 x 48.9 x 31 mm Mounting part Thread M18x1 Screw M3 (2x)

Hysteresis H max.

Range/Distance

5 % 100 mm Range 100 mm Rated operating distance Sn

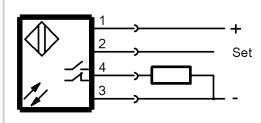
Optical features

Ambient light max. 10000 Lux Light spot size 8 x 8 mm at 100 mm Light type LED, red light Principle of optical operation Triangulation Wave length 660 nm

Connector Drawings



Wiring Diagrams



Opto Symbols

