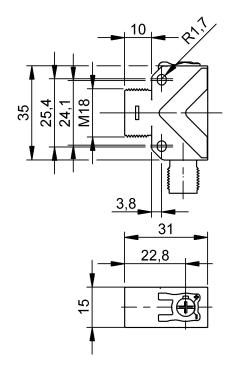
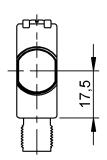
BOS R81K-PA-IE10-S4 Order Code: BOS0290

BALLUFF













Basic features

Approval/Conformity CE cULus UKCA

WFFF

Principle of operation Photoelectric sensor Scope of delivery Mounting bracket

R81K Series

Square with M18 Bullnose Style

Display/Operation

Adjuster Potentiometer 270° Display Output function- LED yellow supply voltage - LED green

Setting Sensitivity (Sn)

Electrical connection

Connection M12x1-Male, 4-pin

Polarity reversal protected Protection against device mix-ups yes Short-circuit protection yes

Electrical data

10...30 VDC Operating voltage Ub 100 mA Rated operating current le Rated operating voltage Ue DC 24 V Ready delay tv max. 100 ms Voltage drop Ud max. at le 1 V

Environmental conditions

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

Functional safety

MTTF (40 °C) 260 a

Interface

Switching output PNP normally open (NO)

Material

Housing material ABS **PMMA**

Material sensing surface PMMA

Photoelectric Sensors

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Mechanical data

Dimension 15 x 48.9 x 31 mm

Mounting part M18x1

Screw M3 (2x)

Optical features

Ambient light max. 10000 Lux

Light type Infrared

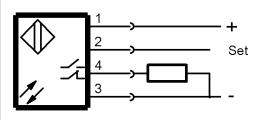
Principle of optical operation Through-beam sensor (receiver)

Wave length 850 nm

Range/Distance

 $\begin{tabular}{lll} \mbox{Range} & 0.3...20\mbox{ m} \\ \mbox{Rated operating distance Sn} & 20\mbox{ m} \\ \end{tabular}$

Wiring Diagrams



Opto Symbols

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