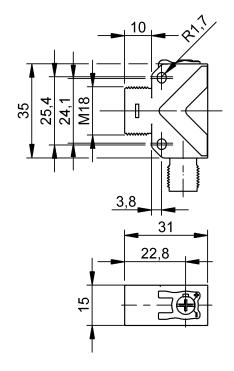
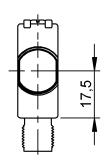
# **BOS R81K-PA-PR10-S4**

## Order Code: BOS0294















#### **Basic features**

Approval/Conformity CE **UL** Listed

UKCA WFFF

Principle of operation Photoelectric sensor Scope of delivery Mounting bracket Reflector

Series R81K

Style Square with M18 Bullnose

### 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 yes Protection against device mix-ups yes Short-circuit protection ves

#### **Electrical data**

No-load current lo max. at Ue 20 mA 10...30 VDC Operating voltage Ub Rated operating current le 200 mA Rated operating voltage Ue DC 24 V Ready delay tv max. 100 ms Voltage drop Ud max. at le 1 V

#### **Environmental conditions**

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

#### **Functional safety**

MTTF (40 °C) 260 a

#### **Interface**

Switching output PNP normally open (NO)

#### Material

Subject to change without notice: 283441

Housing material ABS Material sensing surface РММА

#### **Photoelectric Sensors**

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#### Mechanical data

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

### **Optical features**

Ambient light max.

Light spot size

Light type

Principle of optical operation

Wave length

10000 Lux

180 x 180 mm at 3 m

LED, red light

Retroreflective sensor

660 nm

## Range/Distance

Range

0...3 m

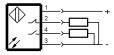
Rated operating distance Sn

3 m Adjustable

## **Connector Drawings**



## **Wiring Diagrams**



## **Opto Symbols**

