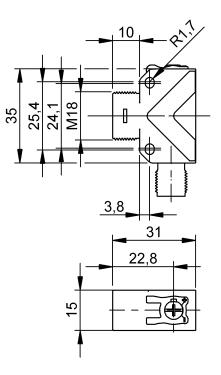
Photoelectric Sensors BOS R81K-PA-RH10-S4 Order Code: BOS029E



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Basic features

Approval/Conformity

Principle of operation Scope of delivery Series Style CE UL Listed UKCA WEEE Photoelectric sensor Mounting bracket R81K Square with M18 Bullnose

Display/Operation

Display

Output function- LED yellow supply voltage - LED green

Electrical connection

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

Electrical data

25 mA		
1030 VDC		
100 mA		
24 V		
100 ms		
1.8 V		
Environmental conditions		

Ambient temperature IP rating	-1560 °C IP67
Functional safety	
MTTF (40 °C)	529 a
Interface	
Switching output	PNP normally open (NO)
Material	
Housing material	ABS PMMA
Material sensing surface	PMMA

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

BVLLAL

Mechanical data

Ambient light max.

Principle of optical operation

Light spot size

Light type

Wave length

Dimension	15 x 48.9 x 31 mm	Hysteresis H max.
Mounting part	Thread M18x1	Range
	Screw M3 (2x)	Rated operating di
Optical features		

8 x 8 mm at 100 mm

10000 Lux

LED, red light

Triangulation

660 nm

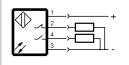
Range/Distance

lysteresis H max.	5 %
Range	100 mm
Rated operating distance Sn	100 mm

Connector Drawings



Wiring Diagrams



Opto Symbols

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