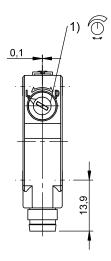
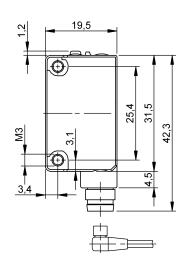
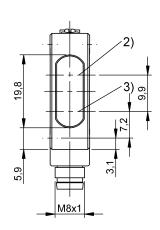
BOS R090K-PU-RD10-S75

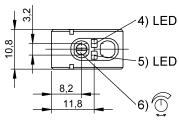
Order Code: BOS02AJ











1) Mode settings, 2) Optical axis receiver, 3) Optical axis emitter, 4) Power indicator, 5) stability, 6) Sensitivity









B	as	ic	fe	at	u	es

Approval/Conformity	cULus		
	CE		
	UKCA		
	WEEE		
Principle of operation	Photoelectric sensor		
· ·····o·p·o o· opo······			
Series	R090K		
	R090K Square		

Display/Operation

Adjuster	Potentiometer 270°
•	Rotary switch 2 positions
Display	Output function- LED yellow Stability - LED green
Setting	Sensitivity (Sn)
· ·	Light-on/dark-on

Electrical connection

Polarity reversal protected

Connection

yes		
20 mA		
1030 VDC		
100 mA		
24 V		
300 ms		
10 %		
1000 Hz		
0.5 ms		
0.5 ms		
2 V		
	20 mA 1030 VDC 100 mA 24 V 300 ms 10 % 1000 Hz 0.5 ms 0.5 ms	

Connector, M8x1, 4-pin

yes

Environmental conditions

Ambient temperature	-3055 °C		
IP rating	IP67		

ETIM 6.0:

Photoelectric Sensors

Material sensing surface

BOS R090K-PU-RD10-S75 **Order Code: BOS02AJ**



Functional safety MTTF (40 °C) 90 a **Interface** Switching output PNP normally open/normally closed (NO/NC) Material РС Housing material PBT

PMMA

	A			
B	17	L	U	

Mechanical data

Dimension 10.7 x 43.5 x 19.5 mm Screw M3 Mounting part Tightening torque max. 0.5 Nm

Optical features

Ambient light max. 10000 Lux Beam characteristic Divergent LED, red light Light type Principle of optical operation Diffuse sensor, energetic Switching function, optical dark-on/light-on Wave length 660 nm

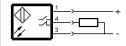
Range/Distance

0...500 mm Range Rated operating distance Sn 500 mm

Connector Drawings



Wiring Diagrams



Opto Symbols

