

1) Emitter, 2) Receiver, 3) Optical axis



Basic features

Approval/Conformity	CE WEEE
Basic standard	IEC 60947-5-2
Principle of operation	Optical sensor head
Reference base unit	BAE SA-OH-029-...
Series	R018
Style	Square Connection 90°

Electrical connection

Cable diameter D	1.80 mm
Cable length L	1 m
Connection	Cable with connector, M8x1-Male, 1.00 m, PUR

Environmental conditions

Ambient temperature	-10...55 °C
Protection degree	IP65

Material

Housing material	Aluminum, anodized, natural
Material jacket	PUR
Material sensing surface	Glass
Surface protection	anodized, natural

Remarks

For additional information, refer to user's guide.

Mechanical data

Dimension	13.5 x 3 x 13 mm
Mounting	Screw M3

Optical features

Beam characteristic	divergent, max. 3.5°
LED group per IEC 62471	Exempt Group
Light spot size	Ø 10 mm at 100 mm
Light type	microSPOT-LED red light
Principle of optical operation	Through-beam sensor
Smallest part typ.	2.0 mm
Wave length	645 nm

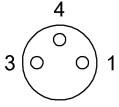
Output/Interface

Switching output	for switching amplifier
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Range/Distance

Range	0 m...500 mm
Rated operating distance S _n	500 mm

Connector Drawings



Opto Symbols

