

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



Basic features

Approval/Conformity	CE UKCA WEEE
Basic standard	IEC 60947-5-2
Principle of operation	Optical sensor head
Reference base unit	BAE SA-OH-059-...
Series	R003
Style	Square Connection 90°

Electrical connection

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

Environmental conditions

Ambient temperature	-10...55 °C
IP rating	IP65

Interface

Switching output	for switching amplifier
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Remarks

For additional information, refer to user's guide.

Material

Housing material	Brass, nickel-plated
Material jacket	PUR
Material sensing surface	Epoxy
Surface protection	nickel-plated

Mechanical data

Dimension	5.5 x 3 x 5.2 mm
Mounting part	Screw M2

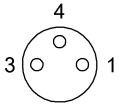
Optical features

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.	0.2 mm
Wave length	650 nm

Range/Distance

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

Connector Drawings



Opto Symbols

