

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	G02
Style	Cylinder Straight optics

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	Stainless steel
Material jacket	PUR
Material sensing surface	Epoxy

Remarks

For additional information, refer to user's guide.

Mechanical data

Dimension	Ø 2 x 8.6 mm
Mounting	Diameter 2.0 mm

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

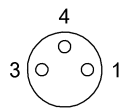
Output/Interface

Switching output	for switching amplifier
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Range/Distance

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

Connector Drawings



Opto Symbols

