

1) 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	M03
Style	Cylinder Straight optics

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

Reference object (target): gray card, 100 x 100, 90 % remission, axial approach.
 For additional information, refer to user's guide.

Material

Housing material	Stainless steel
Material jacket	PUR
Material sensing surface	Epoxy

Mechanical data

Dimension	Ø 3 x 8 mm
Mounting part	M3 nut

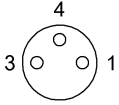
Optical features

Beam characteristic	Divergent
LED group per IEC 62471	Exempt Group
Light spot size	Ø 30 mm
Light type	LED infrared
Principle of optical operation	Diffuse sensor, energetic
Smallest part typ.	0.1 mm
Wave length	870 nm

Range/Distance

Range	0...12 mm
Rated operating distance S_n	12 mm

Connector Drawings



Opto Symbols

