

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 6 x 8 mm
Mounting part	M3 nut

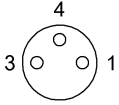
Optical features

Beam characteristic	Divergent
LED group per IEC 62471	Exempt Group
Light type	LED, red light
Principle of optical operation	Diffuse sensor, energetic
Smallest part typ.	0.1 mm
Wave length	665 nm

Range/Distance

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

Connector Drawings



Opto Symbols

