

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	Q06
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
Contact, surface protection	Gold plated

Environmental conditions

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

Interface

Switching output	for switching amplifier
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Material

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

Mechanical data

Dimension	12 x 6 x 6 mm
Mounting part	Screw M2

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	Through-beam sensor

Smallest part typ.	0.10 mm
Wave length	870 nm

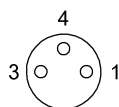
Range/Distance

Range	0...1 m
Rated operating distance Sn	1000 mm

Remarks

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

Connector Drawings



Opto Symbols

