

1) Emitter, 2) Receiver, 3) Light array



Basic features

Approval/Conformity	CE UKCA cULus WEEE
Basic standard	IEC 60947-5-2
Principle of operation	Optical sensor head
Reference base unit	BAE SA-OH-059-...
Scope of delivery	1 Emitter + 1 Receiver User manual
Style	Square

Electrical connection

Cable diameter D	1.7 mm
Cable length L	1 m
Connection	Cable with connector, M8x1- Female, 3-pin, 1 m, PUR
Contact, surface protection	Gold plated

Environmental conditions

Ambient temperature	-10...55 °C
IP rating	IP67

Functional safety

MTTF (40 °C)	2283 a
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Material

Housing material	PA 6
Material jacket	PUR
Material sensing surface	PMMA

Mechanical data

Dimension	11 x 9 x 46 mm
Mounting part	Screw M3 (2x)

Optical features

Blind zone	5 mm
LED group per IEC 62471	Exempt Group
Light type	LED infrared
Principle of optical operation	Through-beam sensor
Smallest part typ.	0.50 mm
Special optical feature	Light array
Wave length	850 nm

Range/Distance

Active length AL 1	30 mm
Range	10...500 mm
Rated operating distance Sn	500 mm
Resolution	1 % FS

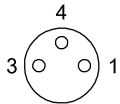
Remarks

For additional information, refer to user's guide.

For more information about MTTF and B10d see MTTF / B10d Certificate

Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

Connector Drawings



Opto Symbols

