

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 Connection 90°

Electrical connection

Cable diameter D	1.7 mm
Cable length L	2 m
Connection	Cable with connector, M8x1- Female, 3-pin, 2 m, PUR
Contact, surface protection	Gold plated

Environmental conditions

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

Functional safety

MTTF (40 °C)	705 a
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Material

Housing material	Aluminium, anodized, black
Material jacket	PUR
Material sensing surface	PMMA
Surface protection	anodized, black

Mechanical data

Dimension	22 x 14 x 220 mm
Mounting part	Screw M4 (2x)

Optical features

LED group per IEC 62471	Exempt Group
Light type	LED infrared
Principle of optical operation	Through-beam sensor
Smallest part typ.	3.0 mm
Special optical feature	Light array
Wave length	940 nm

Range/Distance

Active length AL 1	200 mm
Range	10...500 mm
Rated operating distance Sn	500 mm
Resolution	1 % FS

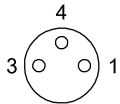
Remarks

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

