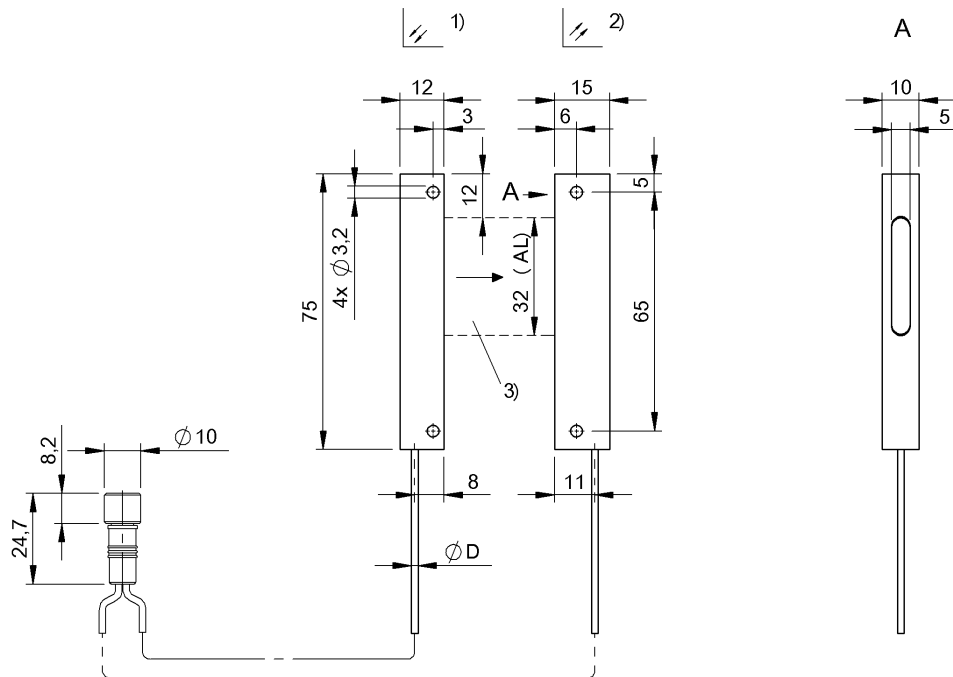


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1) Emitter 2) Receiver 3) Light array



Electrical connection

Cable diameter D	1.80 mm
Cable length	2 m
Connection	M8x1-Connector
Connection type	Cable with connector, 2.00 m, PUR
Contact, surface protection	Gold plated

Environmental conditions

Ambient temperature	-10...55 °C
Protection type IEC 60529	IP65

General data

Approval/Conformity	CE
Basic standard	IEC 60947-5-2
Reference base unit	BAE SA-OH-029-...
Series	R113
Style	Square Connection 90°

Material

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

Mechanical data

Blind zone	40 mm
Dimension	75 x 10 x 15 mm
Fastening detail	Screw M3
Smallest part typ.	0.50 mm

Optical data

LED group per IEC 62471	Exempt Group
Light type	LED Red light
Principle of optical operation	Through-beam sensor
Special optical feature	Light array
Wave length	645 nm

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Output/Interface

Analog output for analog amplifier

Range/Distance

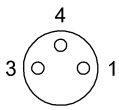
Active length AL 1 30 mm
Measuring range 0...200 mm
Range 0...200 mm

Rated operating distance S_n 200 mm
Repeat accuracy 50 μ m
Resolution \leq 0.1 mm

Remarks

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

Connector view



Symbols for Optoelectronic Sensors

