

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	R018
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

## Environmental conditions

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

## Interface

Switching output	for switching amplifier
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## Remarks

For additional information, refer to user's guide.

## Material

Housing material	Aluminium, anodized, natural
Material jacket	PUR
Material sensing surface	Glass
Surface protection	anodized, natural

## Mechanical data

Dimension	13.5 x 3 x 13 mm
Mounting part	Screw M3

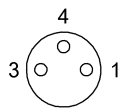
## Optical features

Beam characteristic	divergent, max. 3.5°
LED group per IEC 62471	Exempt Group
Light spot size	Ø 10 mm at 100 mm
Light type	microSPOT-LED red light
Principle of optical operation	Through-beam sensor
Smallest part typ.	0.2 mm
Wave length	650 nm

## Range/Distance

Range	0 m...500 mm
Rated operating distance Sn	500 mm

## Connector Drawings



## Opto Symbols

