

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 |
|---------------------|-------|

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 |

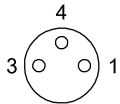
Remarks

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

