

1) 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 | G05 |
| Style | Cylinder Straight optics |

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

Remarks

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

Material

| | |
|--------------------------|-----------------|
| Housing material | Stainless steel |
| Material jacket | PUR |
| Material sensing surface | PMMA |

Mechanical data

| | |
|---------------|-----------------|
| Dimension | Ø 6 x 12 mm |
| Mounting part | Diameter 5.0 mm |

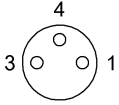
Optical features

| | |
|--------------------------------|---------------------------|
| Beam characteristic | Divergent |
| LED group per IEC 62471 | Exempt Group |
| Light spot size | Ø 35 mm at 50 mm |
| Light type | LED, red light |
| Principle of optical operation | Diffuse sensor, energetic |
| Smallest part typ. | 0.1 mm |
| Wave length | 665 nm |

Range/Distance

| | |
|---|-----------|
| Range | 0...60 mm |
| Rated operating distance S _n | 60 mm |

Connector Drawings



Opto Symbols

