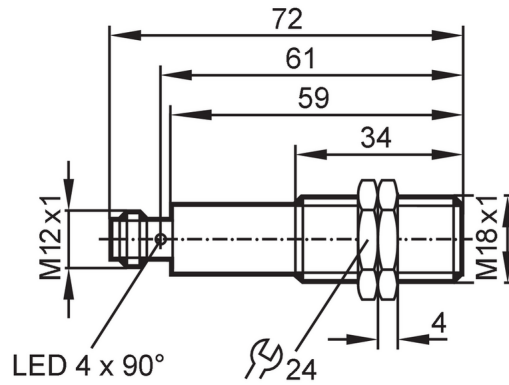


OGS701



Through-beam laser sensor transmitter

OGSLOOKG/US100



| Product characteristics | | |
|--|--------------|--|
| Type of light | | red light |
| Laser protection class | | 1 |
| Housing | | threaded type |
| Application | | |
| Function principle | | Through-beam sensor |
| Application | | Industrial applications / factory automation |
| Electrical data | | |
| Operating voltage | [V] | 10...36 DC |
| Current consumption | [mA] | 13 |
| Protection class | | II |
| Reverse polarity protection | | yes |
| Type of light | | red light |
| Wave length | [nm] | 655 |
| Typ. lifetime | [h] | 50000 |
| Detection zone | | |
| Transmitter / receiver | | transmitter |
| Range | [m] | < 2 |
| Range adjustable | | no |
| Diameter of the smallest detectable object | [mm] | 0.5; (2 m) |
| Max. light spot diameter | [mm] | 5 |
| Light spot dimensions refer to | | at maximum range |
| Operating conditions | | |
| Ambient temperature | [°C] | -10...60 |
| Protection | | IP 65; IP 67 |
| Tests / approvals | | |
| EMC | EN 60947-5-2 | |
| Laser protection class | | 1 |

OGS701



Through-beam laser sensor transmitter

OGSLOOKG/US100

| | | |
|---------------------------|--------------|---|
| Notes on laser protection | Caution: | laser light |
| | laser class: | 1 |
| | | EN / IEC60825-1:2007 |
| | | EN / IEC60825-1:2014 |
| | | Complies with 21 CFR 1040.10 except for conformance with IEC 60825-1 Ed. 3, as described in Laser Notice No. 56, dated May 8, 2019. |
| MTTF | [years] | 1018 |

| Mechanical data | | |
|--------------------|------|---|
| Weight | [g] | 64 |
| Housing | | threaded type |
| Dimensions | [mm] | M18 x 1 / L = 72 |
| Thread designation | | M18 x 1 |
| Materials | | stainless steel (316L/1.4404); PA; EPDM |
| Lens material | | front pane:PMMA |

| Displays / operating elements | | |
|-------------------------------|-----------|----------------|
| Display | operation | 1 x LED, green |

| Accessories | | |
|----------------|--|--------------|
| Items supplied | | lock nuts: 2 |

| Remarks | | |
|---------------|--|---|
| Remarks | | operating voltage "supply class 2" according to cULus |
| Pack quantity | | 1 pcs. |

Electrical connection

Connector: 1 x M12; coding: A; Contacts: 4



Connection

