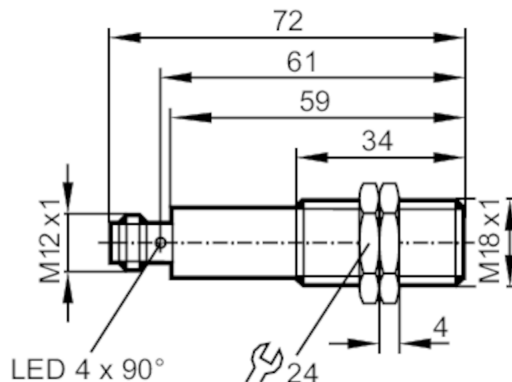




Through-beam sensor transmitter

OGS-00KG/US100



Application

| | |
|--------------------|---------------------|
| Function principle | Through-beam sensor |
|--------------------|---------------------|

Electrical data

| | |
|-----------------------------|------------|
| Operating voltage [V] | 10...36 DC |
| Current consumption [mA] | 20 |
| Protection class | II |
| Reverse polarity protection | yes |
| Type of light | red light |
| Wave length [nm] | 624 |

Detection zone

| | |
|--------------------------------|------------------|
| Transmitter / receiver | transmitter |
| Range [m] | < 25 |
| Range adjustable | no |
| Max. light spot diameter [mm] | 1000 |
| Light spot dimensions refer to | at maximum range |

Operating conditions

| | |
|--------------------------|----------|
| Ambient temperature [°C] | -25...80 |
| Protection | IP 67 |

Tests / approvals

| | |
|--------------|--------------|
| EMC | EN 60947-5-2 |
| MTTF [years] | 629 |

Mechanical data

| | |
|--------------------|---|
| Weight [g] | 59.6 |
| Housing | threaded type |
| Dimensions [mm] | M18 x 1 / L = 72 |
| Thread designation | M18 x 1 |
| Materials | stainless steel (1.4404 / 316L); PA; EPDM |
| Lens material | PMMA |

OGS500



Through-beam sensor transmitter

OGS-00KG/US100

Displays / operating elements

| | | |
|---------|-----------|----------------|
| Display | operation | 1 x LED, green |
|---------|-----------|----------------|

Accessories

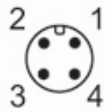
| | |
|------------------------|----------------|
| Accessories (supplied) | lock nuts: 2 x |
|------------------------|----------------|

Remarks

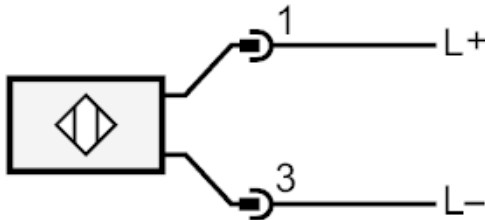
| | |
|---------------|---|
| Remarks | operating voltage "supply class 2" according to cULus |
| Pack quantity | 1 pcs. |

Electrical connection

Connector: 1 x M12



Connection





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Diagrams and graphs

excess gain graph

