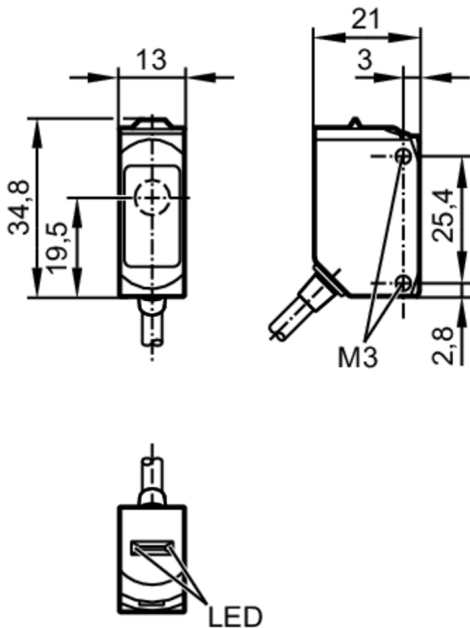


O6S301



Through-beam sensor transmitter

O6S-OOKG/0,30m/US



| Product characteristics | | |
|--------------------------------|--------------------|-----------------------------|
| Type of light | | red light |
| Housing | | rectangular |
| Application | | |
| Function principle | | Through-beam sensor |
| Electrical data | | |
| Operating voltage | [V] | 10...30 DC |
| Current consumption | [mA] | 11; ((24 V)) |
| Protection class | | III |
| Type of light | | red light |
| Wave length | [nm] | 633 |
| Monitoring range | | |
| Transmitter / receiver | | transmitter |
| Range | [m] | < 10 |
| Max. light spot diameter | [mm] | 300 |
| Light spot dimensions refer to | | at maximum range |
| Operating conditions | | |
| Ambient temperature | [°C] | -25...80 |
| Protection | | IP 65; IP 67; IP 68; IP 69K |
| Tests / approvals | | |
| EMC | EN 60947-5-2 | |
| MTTF | [years] | 2600 |
| UL approval | UL approval number | E005 |

O6S301



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| Mechanical data | | |
|-------------------|------|---|
| Weight | [g] | 50.5 |
| Housing | | rectangular |
| Material | | housing: stainless steel (1.4404 / 316L); plastics: PPSU; sealing: EPDM |
| Lens material | | PMMA |
| Lens alignment | | Side sensing |
| Tightening torque | [Nm] | 1; (screws) |

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

| Remarks | | |
|---------------|--|---------------------------------|
| Remarks | | cULus - Class 2 source required |
| Pack quantity | | 1 pcs. |

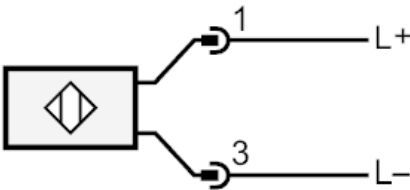
Electrical connection

Cable: 0.3 m, PVC; 2 x 0.25 mm²

Connector: 1 x M12; coding: A



Connection



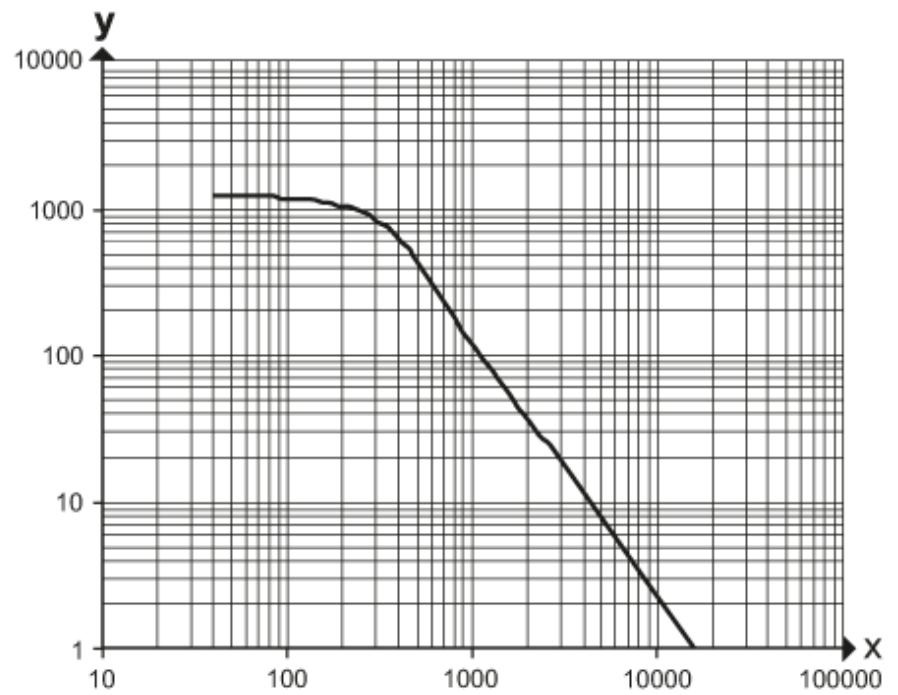


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Diagrams and graphs

excess gain graph



x: distance [mm]

y: excess gain factor