# OU5072

## Retro-reflective sensor

OUR-DXOG/S 4- Leiter

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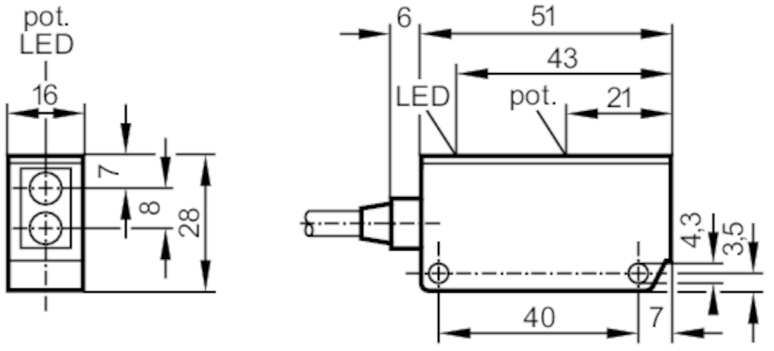


receiver in upper lens
transmitter in lower lens

| | | |
|---|---|---|
| **Product characteristics** | | |
| Type of light | | infrared light |
| Housing | | rectangular |
| **Application** | | |
| Function principle | | Retro-reflective sensor |
| **Electrical data** | | |
| Operating voltage | [V] | 10...36 DC |
| Current consumption | [mA] | < 20 |
| Protection class | | II |
| Reverse polarity protection | | yes |
| Type of light | | infrared light |
| Wave length | [nm] | 950 |
| **Outputs** | | |
| Electrical design | | PNP/NPN |
| Output function | | dark-on mode |
| Max. voltage drop switching output DC | [V] | 2;  ((PNP) / < 1 (NPN)) |
| Permanent current rating of switching output DC | [mA] | 250 |
| Switching frequency DC | [Hz] | 160 |
| Short-circuit protection | | yes |
| Type of short-circuit protection | | pulsed |
| Overload protection | | yes |
| **Detection zone** | | |
| Range | [m] | < 3;  (Prismatic reflector Ø 80 E20005) |
| Range adjustable | | yes |
| **Operating conditions** | | |
| Ambient temperature | [°C] | -25...80 |
| Protection | | IP 67 |

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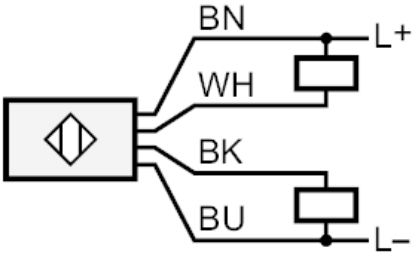
| | | | |
|---|---|---|---|
| **Tests / approvals** | | | |
| EMC | | EN 60947-5-2 | |
| | | EN 55011 | class B |
| **Mechanical data** | | | |
| Housing | | rectangular | |
| Dimensions | [mm] | 28 x 16 x 51 | |
| Materials | | PPE modified | |
| Lens material | | glass | |
| **Displays / operating elements** | | | |
| Display | | switching status | 1 x LED, yellow |
| **Accessories** | | | |
| Items supplied | | Angle bracket | |
| **Remarks** | | | |
| Pack quantity | | 1 pcs. | |
| **Electrical connection** | | | |

Cable: 2 m, PVC; 4 x 0.34 mm²

Connection




| | |
|---|---|
| | Core colours : |
| BK = | black |
| BN = | brown |
| BU = | blue |
| WH = | white |