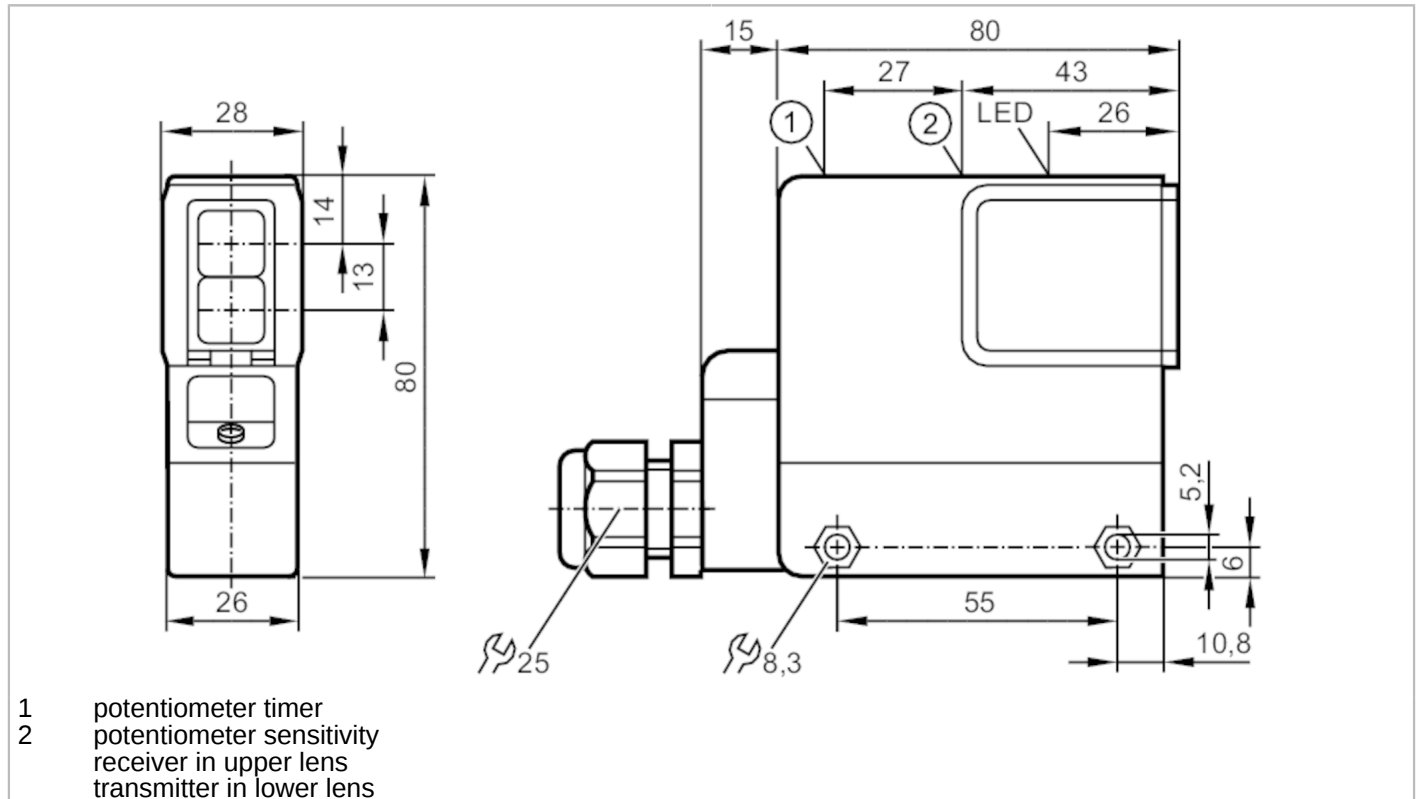


OS0025



Retro-reflective sensor

OSR-FBOA



| Product characteristics | |
|-----------------------------|-------------------------|
| Type of light | infrared light |
| Housing | rectangular |
| Dimensions [mm] | 80 x 28 x 95 |
| Application | |
| Function principle | Retro-reflective sensor |
| Electrical data | |
| Operating voltage [V] | 20...250 AC/DC |
| Protection class | II |
| Reverse polarity protection | no |
| Type of light | infrared light |
| Wave length [nm] | 950 |



Retro-reflective sensor

OSR-FBOA

| Outputs | | |
|---|------------------|---|
| Output function | | light-on/dark-on mode; (programmable) |
| Minimum load current | [mA] | 15 |
| Max. leakage current | [mA] | 6 |
| Permanent current rating of switching output AC | [mA] | 250; (350 (...50 °C)) |
| Permanent current rating of switching output DC | [mA] | 250; (350 (...50 °C)) |
| Short-time current rating of switching output | [mA] | 2200; (10 ms / 0,5 Hz) |
| Switching frequency AC | [Hz] | 250 |
| Switching frequency DC | [Hz] | 250 |
| Short-circuit proof | | no |
| Overload protection | | no |
| Detection zone | | |
| Range referred to prismatic reflector | [m] | 10; (Prismatic reflector Ø 80 E20005) |
| Range adjustable | | yes |
| Operating conditions | | |
| Ambient temperature | [°C] | -25...80 |
| Protection | | IP 65 |
| Tests / approvals | | |
| EMC | | EN 60947-5-2 |
| MTTF | [years] | 302 |
| Mechanical data | | |
| Weight | [g] | 268 |
| Housing | | rectangular |
| Dimensions | [mm] | 80 x 28 x 95 |
| Materials | | PPO modified |
| Lens material | | glass |
| Lens alignment | | side lens |
| Displays / operating elements | | |
| Display | switching status | 1 x LED, yellow |
| Electrical connection | | |
| Required protection | | miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting |
| Accessories | | |
| Accessories (supplied) | | Angle bracket: 1 x, E20210 screwdrivers |
| Remarks | | |
| Remarks | | Recommendation: Check the safe functioning of the unit after a short circuit. |
| Pack quantity | | 1 pcs. |

OS0025



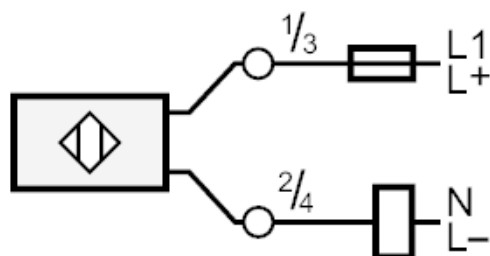
Retro-reflective sensor

OSR-FBOA

Electrical connection

terminals: ...1.5 mm²; Cable gland: M20 X 1.5

Connection



Note : miniature fuse to IEC60127-2 sheet 1 ≤ 2 A fast acting