

OTV 40 K 400 P3K-TSL

Diffuse Sensor



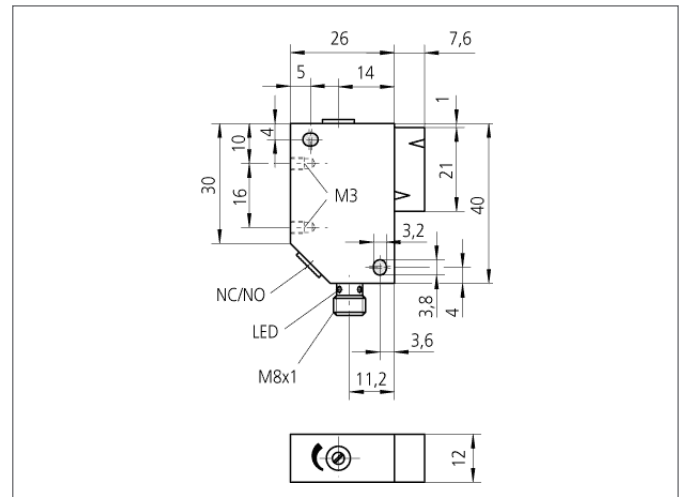
- Compact design
- Infrared light
- Sensitivity adjustable
- High resolution
- Light/dark switching



Safety instructions

The Instruments are not to be used for safety applications, in particular applications in which safety of persons depends on proper operation of the instruments.

These instruments shall exclusively be used by qualified personnel.



| TECHNICAL INFORMATION (typ.) | +20°C, 24V DC |
|------------------------------|--|
| Operating principle | Diffuse reflective sensor |
| Evaluation | digital |
| Size | 40 x 34 x 12 mm (Dimensions) |
| Design | cuboid design |
| Emitted light | Infrared, 880 nm, clocked |
| Standardized measuring plate | 100 x 100 mm, white |
| Service voltage | 10 ... 35 V DC |
| Internal power consumption | < 30 mA |
| background suppression | no |
| Operating distance | 400 mm |
| Sensitivity adjustment | potentiometer |
| Switching output | pnp, 200 mA, NO/NC, switchable |
| Switching hysteresis | < 10 % |
| Voltage drop | < 2,0 V |
| Switching frequency | 750 Hz |
| Response-/release time | < 1 ms / < 2 ms |
| Ambient temperature | 0 ... +60 °C |
| Temperature drift | 0,3 %/K |
| Ambient light immunity | 50 kLx |
| Insulation voltage endurance | 500 V |
| Protection class | IP 67 |
| Protection degree | III, operation on protective low voltage |
| Casing material | polyester glass-fibre reinforced |

OTV 40 K 400 P3K-TSL
Diffuse Sensor



| TECHNICAL INFORMATION (typ.) | | +20°C, 24V DC |
|-------------------------------------|--|------------------------|
| Material | | plastic (Window) |
| Connection | | Connector, M8, 3-poled |