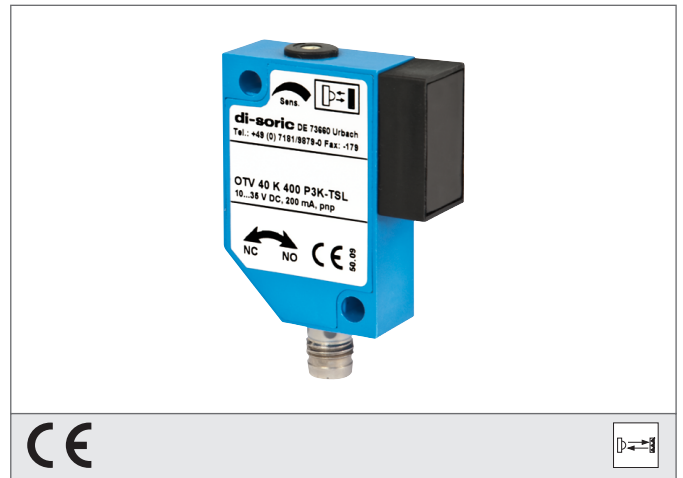


ORV 41 K 2500 P3K-TSL

Retroreflective Sensor

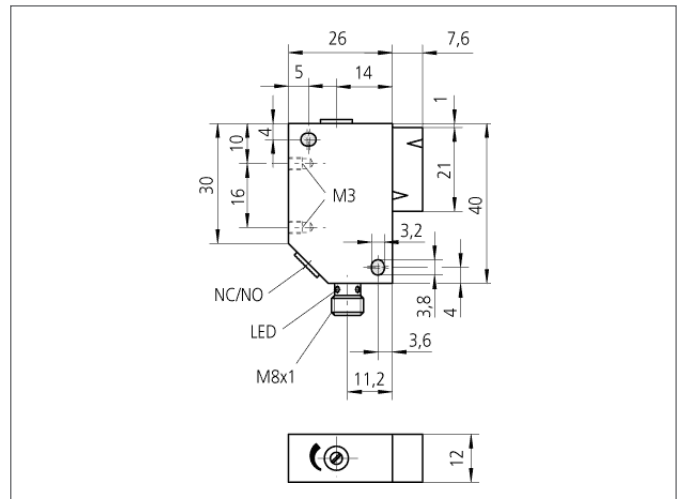
- Red light
- Polarized filter
- Sensitivity adjustable
- High resolution
- Light/dark switching
- Compact design



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		Retroreflective sensor
Evaluation		digital
Size		40 x 34 x 12 mm (Dimensions)
Design		cuboid design
Emitted light		Red, 660 nm, clocked, polarized
Operating distance		2500 mm
Service voltage		10 ... 35 V DC
No-load current		< 30 mA
Sensitivity adjustment		potentiometer
Referring reflector		100 x 100 mm
Switching output		pnp, 200 mA, NO/NC
Switching hysteresis		< 2 mm
Shock-/vibration load		10 ... 55 Hz / 1,0 mm / 30 g
Voltage drop		< 2,0 V
Switching frequency		750 Hz
Response-/release time		1,0 ms / 2,0 ms
Ambient temperature, operation		-10 ... +60 °C
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-fiber reinforced
Material		plastic (Window)

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Retroreflective Sensor



TECHNICAL INFORMATION (typ.)

Connection

+20°C, 24V DC

Connector, M8, 3-poled