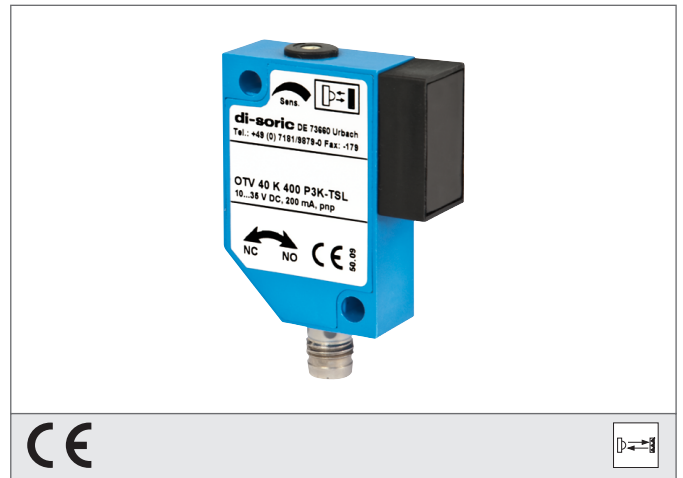


ORV 41 K 2500 P3K-TSL Retroreflective Sensor

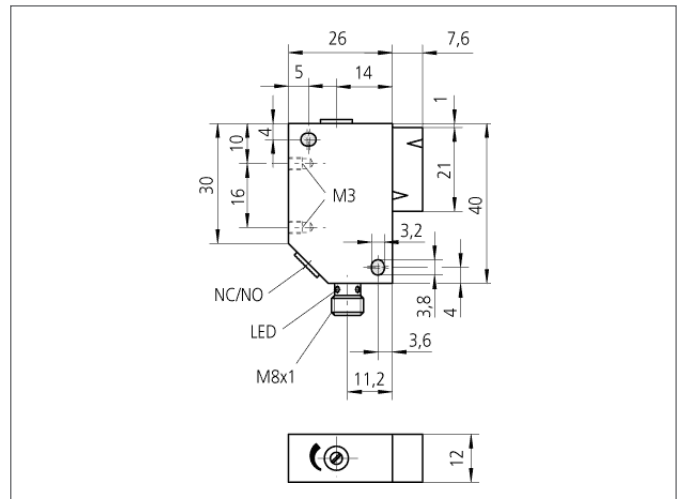
- Red light
- Polarized filter
- Sensitivity adjustable
- High resolution
- Light/dark switching
- Compact design



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)

ORV 41 K 2500 P3K-TSL
Retroreflective Sensor



TECHNICAL INFORMATION (typ.)

Connection

+20°C, 24V DC

Connector, M8, 3-poled