

AO000251

ACCESSORIES • REFLECTORS AND REFLECTIVE TAPES

In order to operate a retro-reflective sensor with polarizing filter, the use of reflectors with prismatic mirrors is absolutely necessary. All our reflectors fulfill this condition. The special feature of this system lies in the polarizing filters located in front of the transmitter and receiver. The transmitter emits a polarized electromagnetic wave, which is rotated 90° by the prismatic mirrors in the oscillation axis and reflected back again. The receiving optical system with polarizing filter is only transmissive for waves that are turned by 90°. Thus, even the detection of high-glossy objects is possible, since the light directly reflected from the object is not evaluated.

Special reflectors for laser sensors are available. The honeycomb structure of these reflectors is significantly finer than with conventional ones.

For outdoor use, we offer reflectors with integrated heating, which prevents fogging. For tight spaces, self-adhesive reflected film in various widths is available by the metre.



MECHANICAL DATA

Ambient temperature (MAX)	300 °C
Ambient temperature (MIN)	0 °C
Bore diameter	4.5 mm
Height	20 mm
Material	Aluminium
Material of optical surface	Glass
Microprisms	No
Mounting type	Screw hole
Number of mounting holes	2
Outer diameter	80 mm
Punchable and cuttable	No
Resistant to chemicals	No
Shape	Round
Suitable for laser sensors	No
UV-resistant	No

ELECTRICAL DATA

Polarized	Yes
With heater	No

DIMENSIONAL DRAWING

INSTALLATION

DISPOSAL



Mounting / Installation may only be carried out by a qualified electrician!



SAFETY WARNINGS

Before initial operation, please make sure to follow all safety instructions that may be provided in the product information!

Never use these devices in applications where the safety of a person depends on their functionality.