

## AO000176

### Accessories • Reflectors and reflective film

accessories optical, reflector, 6,5x51x18mm, Self-adhesive, IP67, PMMA+PMMA, Polarized



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.

#### Electrical features

|           |     |
|-----------|-----|
| Polarized | Yes |
|-----------|-----|

#### Mechanical features

|                                |                  |
|--------------------------------|------------------|
| Design                         | Rectangular      |
| Width                          | 17.5 mm          |
| Height                         | 6.5 mm           |
| Length                         | 51 mm            |
| Mounting method                | Adhesive surface |
| Degree of protection (IP)      | IP67             |
| Material                       | Plastic (PMMA)   |
| Active area material of sensor | Plastic (PMMA)   |
| UV-resistant                   | Yes              |
| Ambient temperature            | -25 - 70 °C      |

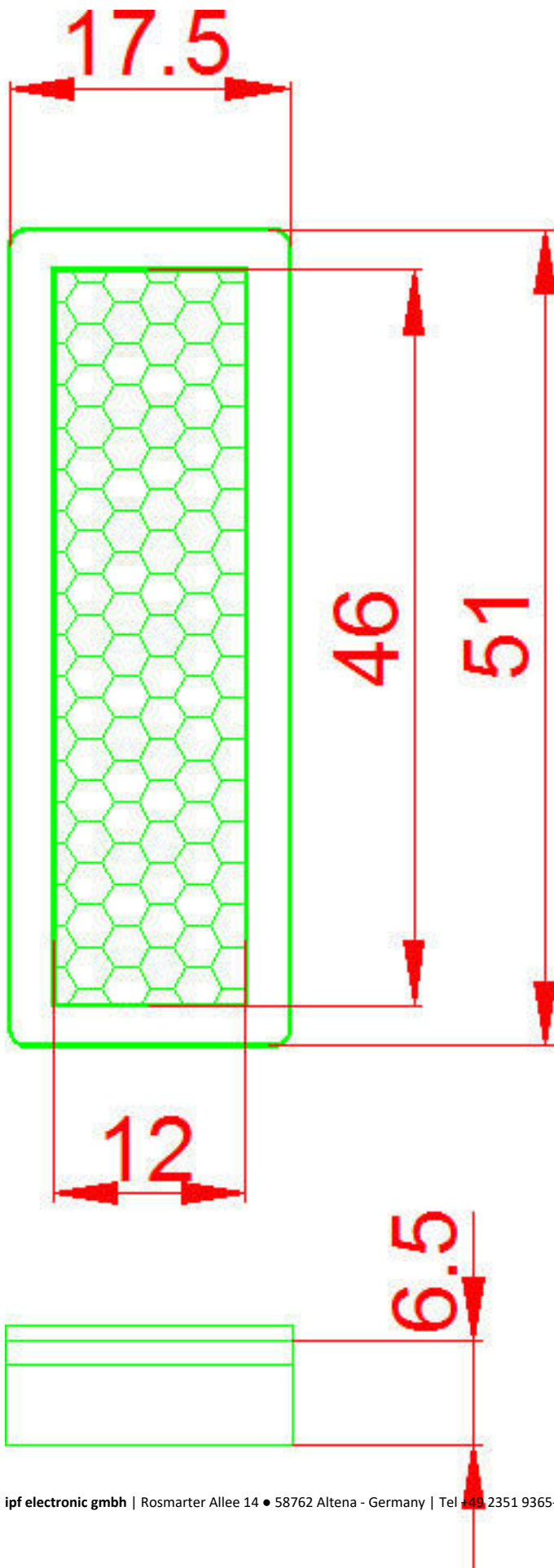
#### Classification

|        |                                      |
|--------|--------------------------------------|
| ETIM 8 | EC002467 Reflector for light barrier |
|--------|--------------------------------------|

**More**

|                       |                  |
|-----------------------|------------------|
| IPF Product Group     | 900 accessories  |
| packaging dimensions  | 120 x 100 x 8 mm |
| gross weight          | 10 g             |
| Customs tariff number | 39269097         |
| WEEE number           | 40951076         |
| OzDS-compliant        | Yes              |
| POP-compliant         | Yes              |
| Reach-compliant       | Yes              |
| RoHS-compliant        | Yes              |

Dimensional drawing



**Installation**

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

**Disposal**

WEEE number according to § 6 para. 3  
ElektroG: 40951076

**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.