



PLH25-D12

Reflectors

REFLECTORS AND OPTICS

SICK
Sensor Intelligence.



Ordering information

Type	part no.
PLH25-D12	2063404

Other models and accessories → www.sick.com/Reflectors

Detailed technical data

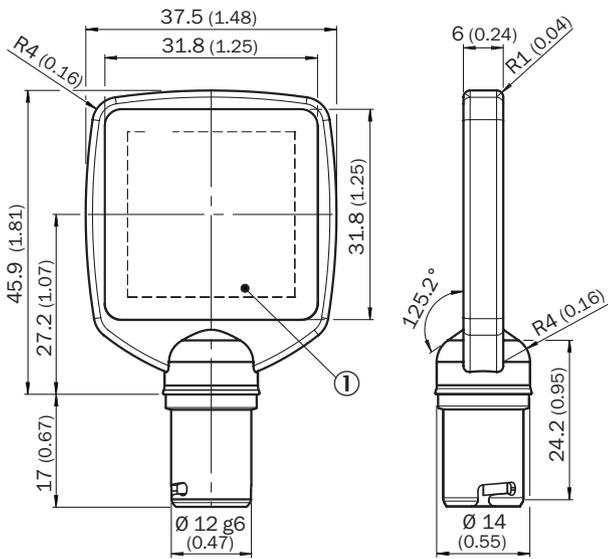
Features

Product segment	Reflectors and optics
Product	Reflectors
Product version	Special reflectors
Description	Stainless steel reflector, hygienic design, chemically resistant, enclosure rating IP69K, D12 adapter shaft, PMMA front screens
Special applications	Suitable for laser photoelectric sensors, detection of transparent objects with LED photoelectric sensors, Hygienic and washdown zones
Mounting system type	Screw-on
Material	Stainless steel V4A (1.4404, 316L)
Ambient operating temperature	-20 °C ... +60 °C
Dimensions (W x H x L)	25 mm

Classifications

ECLASS 5.0	27279203
ECLASS 5.1.4	27279203
ECLASS 6.0	27279203
ECLASS 6.2	27279203
ECLASS 7.0	27279203
ECLASS 8.0	27279203
ECLASS 8.1	27279203
ECLASS 9.0	27273601
ECLASS 10.0	27273601
ECLASS 11.0	27273601
ECLASS 12.0	27273601
ETIM 5.0	EC002467
ETIM 6.0	EC002467
ETIM 7.0	EC002467
ETIM 8.0	EC002467
UNSPSC 16.0901	39111827

Dimensional drawing



Dimensions in mm (inch)

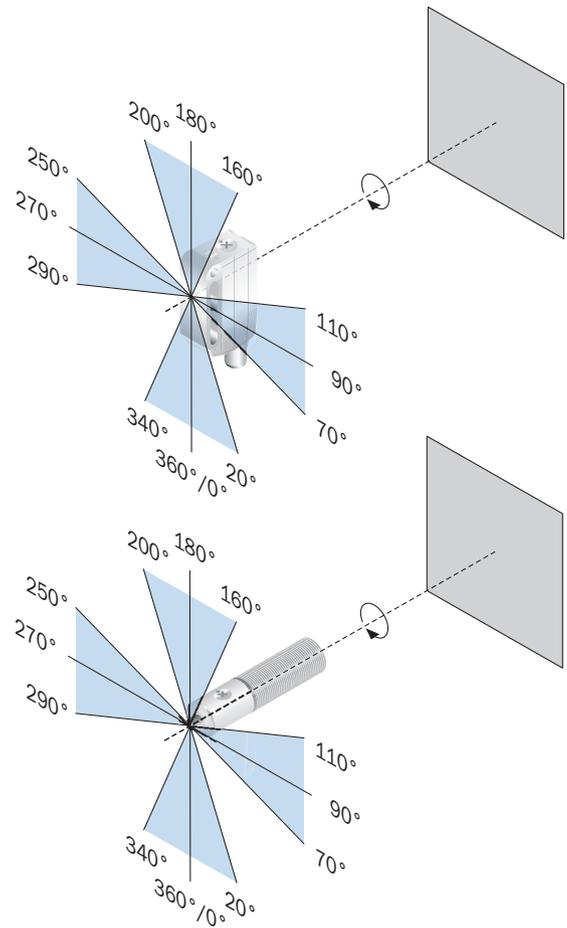
① reflective area

Instruction for installation

When using the REF-AC1000 or REF-AC1000xx reflective tape and the P41F reflector, attention must be paid to the operating range with respect to the angle of rotation. To guarantee reliable operation, the sensor and the reflector must only be used in the following angle of rotation ranges (rotation about the light beam axis), assuming the orientation between sensor and reflector shown in the diagram.

340°	—	20°
70°	—	110°
160°	—	200°
250°	—	290°

If the sensor is operated in another angle of rotation range when compared to the reflective tape, the reflection performance will be reduced to virtually zero.



Recommended accessories

Other models and accessories → www.sick.com/Reflectors

	Brief description	Type	part no.
Mounting systems			
	<ul style="list-style-type: none"> Description: Hygienic design mounting tube with bayonet lock Dimensions (W x H x L): 14.4 mm x 85.5 mm x 14.4 mm Material: Stainless steel, stainless steel Details: Hygienic Design, Stainless steel V4A (1.4404, 316L), Silicone (seal) Suitable for: Hygienic Design BeftechHD 	BEF-HDSBR	4074403
	<ul style="list-style-type: none"> Description: Hygienic design flange with seal Dimensions (W x H x L): 40 mm x 12 mm x 40 mm Material: Stainless steel, stainless steel Details: Hygienic Design, Stainless steel V4A (1.4404, 316L), Silicone (seal) Suitable for: Hygienic Design BeftechHD 	BEF-HDSF	4072880
	<ul style="list-style-type: none"> Description: Hygienic design telescopic tube, straight, with bayonet lock without flange Dimensions (W x H x L): 23 mm x 153 mm x 23 mm Material: Stainless steel, stainless steel Details: Hygienic Design, Stainless steel V4A (1.4404, 316L), Silicone (seal) Suitable for: Hygienic Design BeftechHD 	BEF-HDSTRG	2067780
	<ul style="list-style-type: none"> Description: Hygienic design telescopic tube, straight, with bayonet lock with flange Dimensions (W x H x L): 40 mm x 165 mm x 40 mm Material: Stainless steel, stainless steel Details: Hygienic Design, Stainless steel V4A (1.4404, 316L), Silicone (seal) Suitable for: Hygienic Design BeftechHD 	BEF-HDSTRGF	2067779
	<ul style="list-style-type: none"> Description: Hygienic design telescopic tube, angled, with bayonet lock without flange Dimensions (W x H x L): 23 mm x 125 mm x 73 mm Material: Stainless steel, stainless steel Details: Hygienic Design, Stainless steel V4A (1.4404, 316L), Silicone (seal) Suitable for: Hygienic Design BeftechHD 	BEF-HDSTRW	2067778
	<ul style="list-style-type: none"> Description: Hygienic design telescopic tube, angled, with bayonet lock with flange Dimensions (W x H x L): 40 mm x 125 mm x 76 mm Material: Stainless steel, stainless steel Details: Hygienic Design, Stainless steel V4A (1.4404, 316L), Silicone (seal) Suitable for: Hygienic Design BeftechHD 	BEF-HDSTRWF	2067777

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

WORLDWIDE PRESENCE:

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