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DATA SHEET

P41F

Reflectors
Reflectors and optics

SICK
Sensor Intelligence



REFLECTORS AND OPTICS

P41F

ORDERING INFORMATION

Type	part no.
P41F	5315128

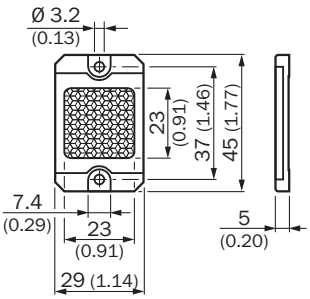
Further device versions and accessories at www.sick.com/Reflectors

DETAILED TECHNICAL DATA

FEATURES

Product segment	Reflectors and optics
Product	Reflectors
Product version	Fine triple reflectors
Description	Reflector with microprismatic reflex tape REF-AC1000, suitable for laser sensors, see alignment note
Special applications	Suitable for laser photoelectric sensors, detection of transparent objects with LED photoelectric sensors
Mounting system type	Screw-on
Material	PMMA/ABS
Ambient operating temperature	–30 °C ... +60 °C
Dimensions (W x H x L)	29 mm x 5 mm x 45 mm

DIMENSIONAL DRAWING



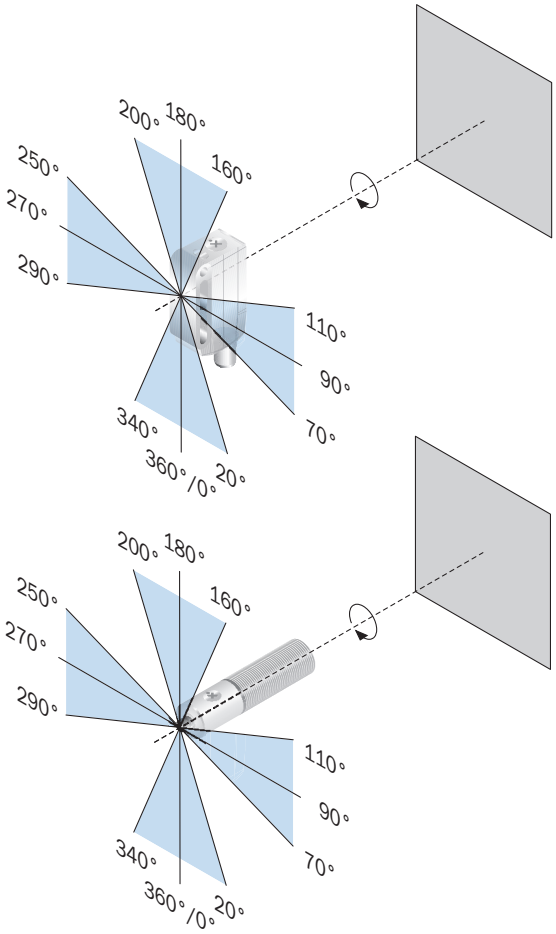
Dimensions in mm (inch)

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.



Further information as well as suitable accessories, example applications and downloads such as CAD dimensional models, operating instructions and software can be found at www.sick.com/5315128

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SICK AT A GLANCE

SICK is a leading global technology company for intelligent sensors and integrated solutions in industrial automation. Our technologies set benchmarks, making your industrial processes more efficient, safer and more sustainable – both in logistics and manufacturing operations.

SICK combines sensor intelligence with industry expertise and certified consulting services. We provide the ideal foundation for scalable as well as tailor-made automation solutions and create added value along the entire value chain. Our close partnerships with our customers are more than just a promise: Together, we optimize productivity, improve quality, protect health and safety, and help build a sustainable future. All with empathy and trust.

Since 1946, we have been developing innovative technologies with passion and a pioneering spirit. With a global network in around 40 countries, SICK has a global presence and is always close by. The company's headquarters are located in Waldkirch near Freiburg, Germany. Our customers benefit from our understanding of both local and global requirements, which enables us to deliver tailor-made solutions

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