



Mounting bracket with integrated 200° weather protection

Brackets

MOUNTING SYSTEMS

SICK
Sensor Intelligence.



Ordering information

Type	part no.
Mounting bracket with integrated 200° weather protection	2140840

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

Detailed technical data

Features

Accessory group	Mounting systems
Accessory family	Brackets
Description	Mounting bracket with weather protection 200° opening angle Weather protection shield for LMS221 (180°), vertical mounting
Suitable for	picoScan100
Material	Bracket: Seawater-resistant aluminum. 3 mm black anodized Weather protection attachment: Seawater-resistant aluminum, 1.5 mm powder-coated RAL7035 Screws: Stainless steel A2
Items supplied	Mounting bracket, incl. 5 x M4x6 countersunk screws as per DIN7991 (but with SW 3) for fastening the device to the mounting bracket 3x M4x5 cylinder head screws for fastening the weather protection attachment
Dimensions (W x H x L)	180 mm x 100.5 mm x 120.3 mm
Weight	294 g
Vibration resistance	
Sine resonance scan, sine test, noise test	10 Hz, 10 Hz, 10 Hz ... 1,000 Hz, 500 Hz, 250 Hz, 5 g, 4.24 g RMS, 10 frequency cycles, 5 h ^{1) 1) 2)}
Shock resistance	
	50 g, 11 ms, ± 3 single shocks/axis ³⁾ 25 g, 6 ms, ± 1,000 continuous shocks/axis ³⁾ 50 g, 3 ms, ± 5,000 continuous shocks/axis ³⁾
Mounting system type	Brackets

¹⁾ IEC 60068-2-6:2007.

²⁾ IEC 60068-2-64:2008.

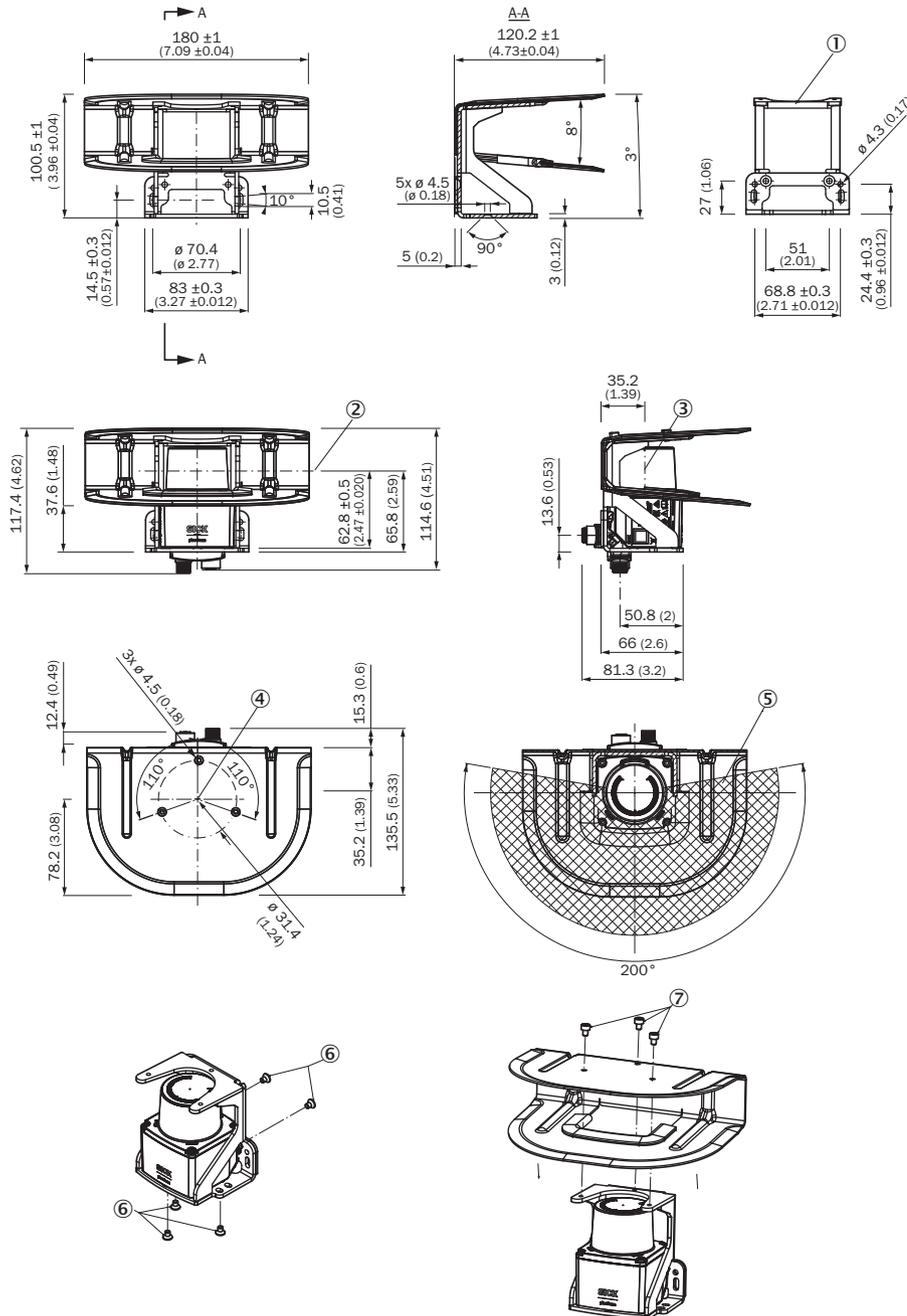
³⁾ IEC 60068-2-27:2008.

Classifications

ECLASS 5.0	27279202
ECLASS 5.1.4	27279202
ECLASS 6.0	27279202
ECLASS 6.2	27279202
ECLASS 7.0	27279202
ECLASS 8.0	27279202
ECLASS 8.1	27279202
ECLASS 9.0	27273701
ECLASS 10.0	27273701
ECLASS 11.0	27273701

ECLASS 12.0	27273701
ETIM 5.0	EC000200
ETIM 6.0	EC000200
ETIM 7.0	EC000200
ETIM 8.0	EC000200
UNSPSC 16.0901	32131023

Dimensional drawing



Dimensions in mm (inch)

- ① Bracket shown without weather protection hood
- ② Scan axis
- ③ Rotation axis
- ④ Rotation axis
- ⑤ Scanning area
- ⑥ M4x6 with SW 3 mm/tightening torque 1.5-2.5 Nm - use all five screws for applications with high shock and vibration requirements
- ⑦ M4x5 included in scope of delivery/tightening torque 1.5-2.5 Nm

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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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