



Heavy-duty protective housing

Protective housing

DEVICE PROTECTION AND CARE

SICK
Sensor Intelligence.



Illustration may differ

Ordering information

Type	part no.
Heavy-duty protective housing	2087691

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

Detailed technical data

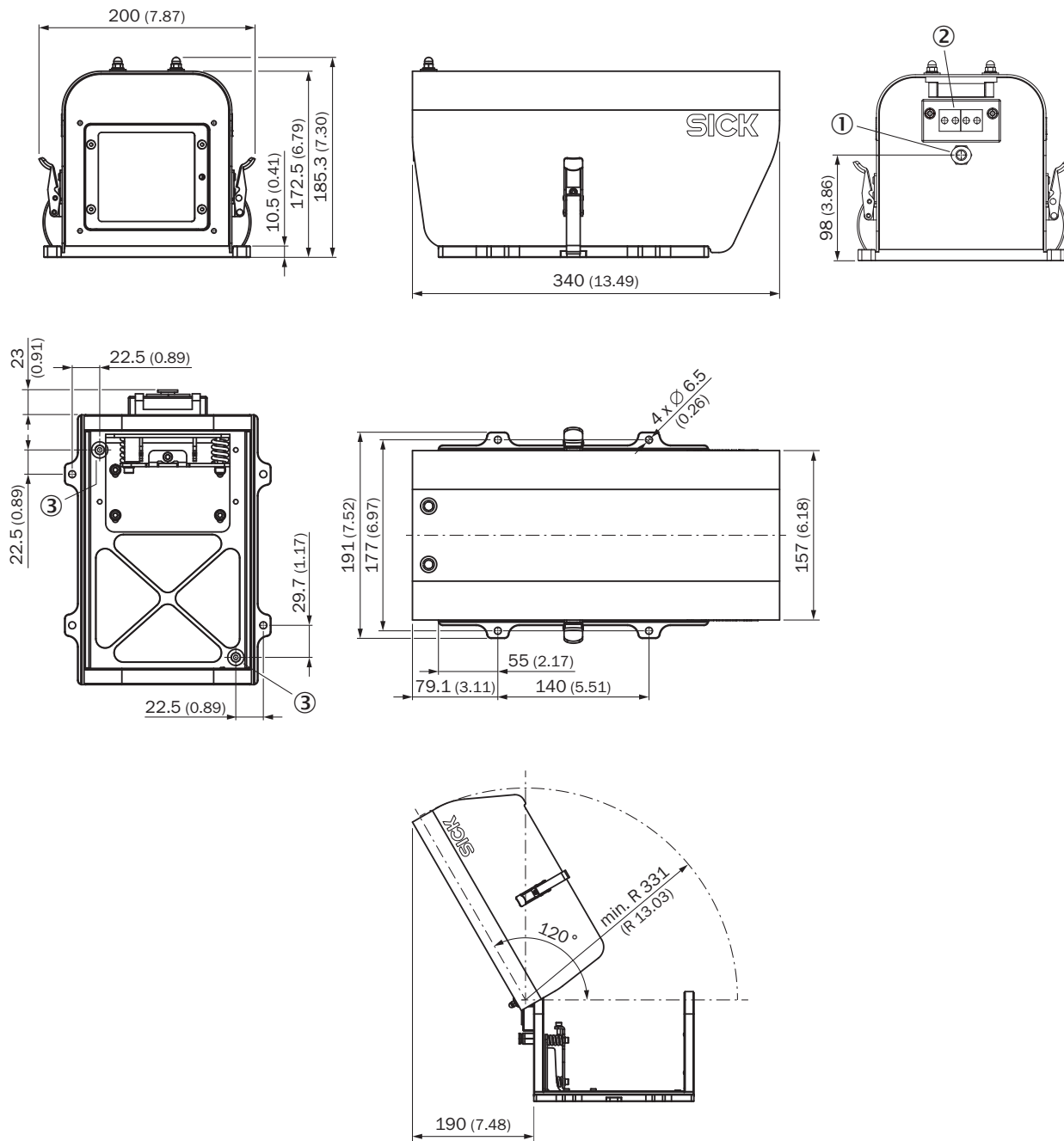
Features

Product segment	Device protection and care
Product	Protective housing
Description	The housing and the optional protective tube can be flushed out with compressed air (max. 100 mbar). The housing can be opened from the top without a tool. Due to space constraints, connecting cables with 90° angled, pre-assembled male connectors/female connectors are required.
Items supplied	Heavy-duty protective housing with front screen (pre-installed). The alignment bracket and the tube for the heavy-duty protective housing are not included with delivery.
Material	Housing: aluminum. Attachments: stainless steel, zinc coated and passivated steel, plastic, EPDM, NBR, elastomer, glass
Weight	2.9 kg

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	EC000202
ETIM 6.0	EC000202
ETIM 7.0	EC000202
ETIM 8.0	EC000202
UNSPSC 16.0901	32131023

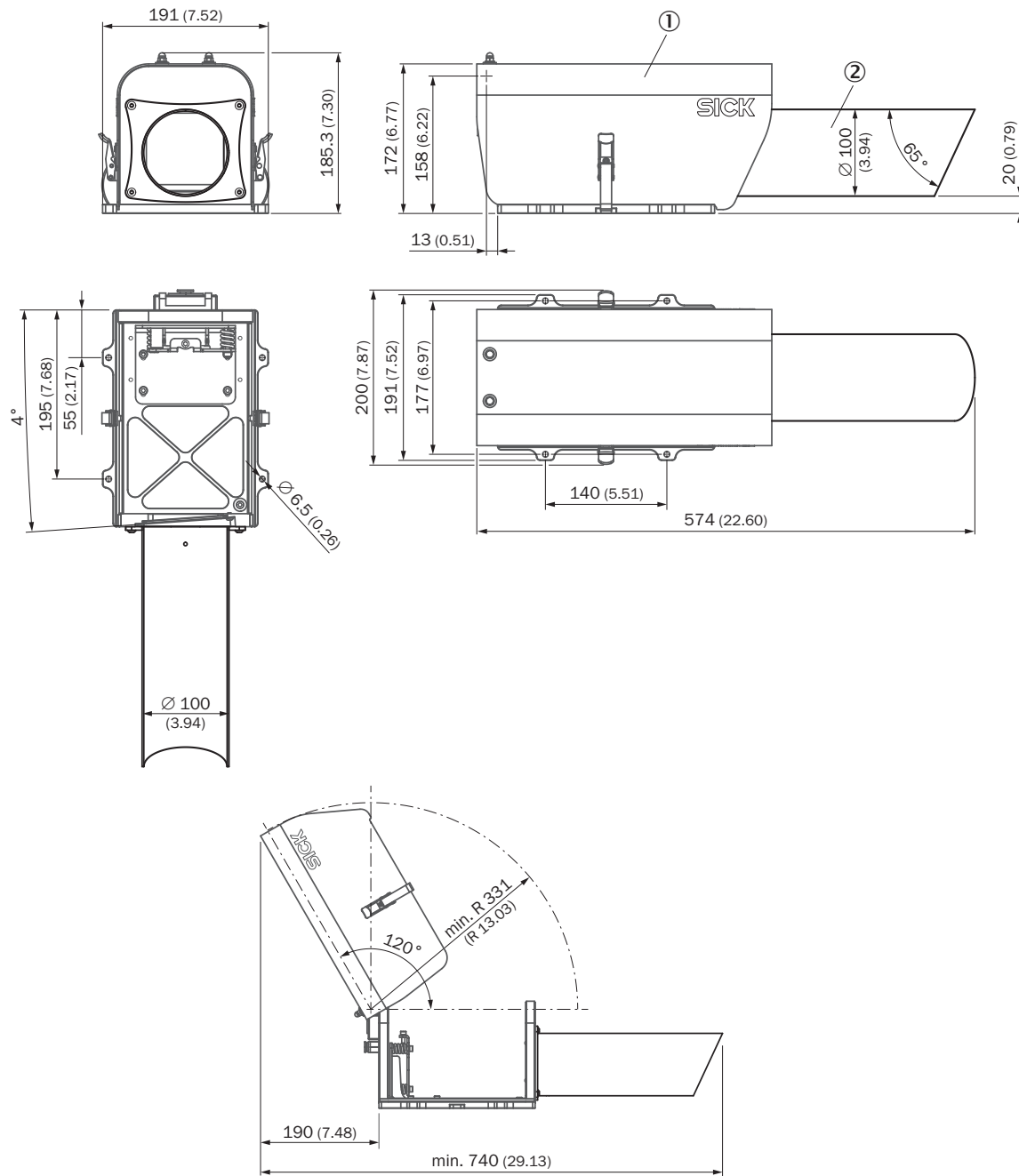
Dimensional drawing Heavy-duty protective housing



Dimensions in mm (inch)

- ① Inlet for compressed air, push-in fitting for 10 mm connection hose, max. pressure 100 mbar (follow instructions for mounting)
- ② Entry for connecting cables (follow instructions for mounting)
- ③ 2x outlet bores for draining condensate water (sealed with screws on delivery)

Dimensional drawing Heavy-duty protective housing with tube

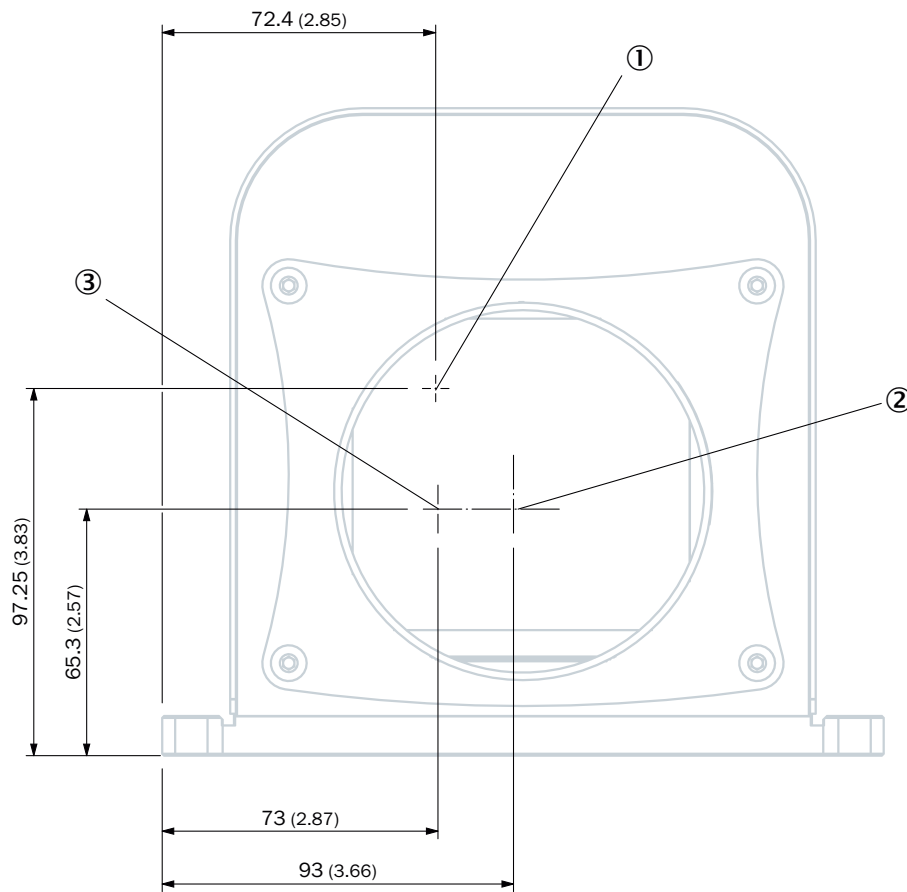


Dimensions in mm (inch)

① Heavy-duty protective housing (part number 2087691)

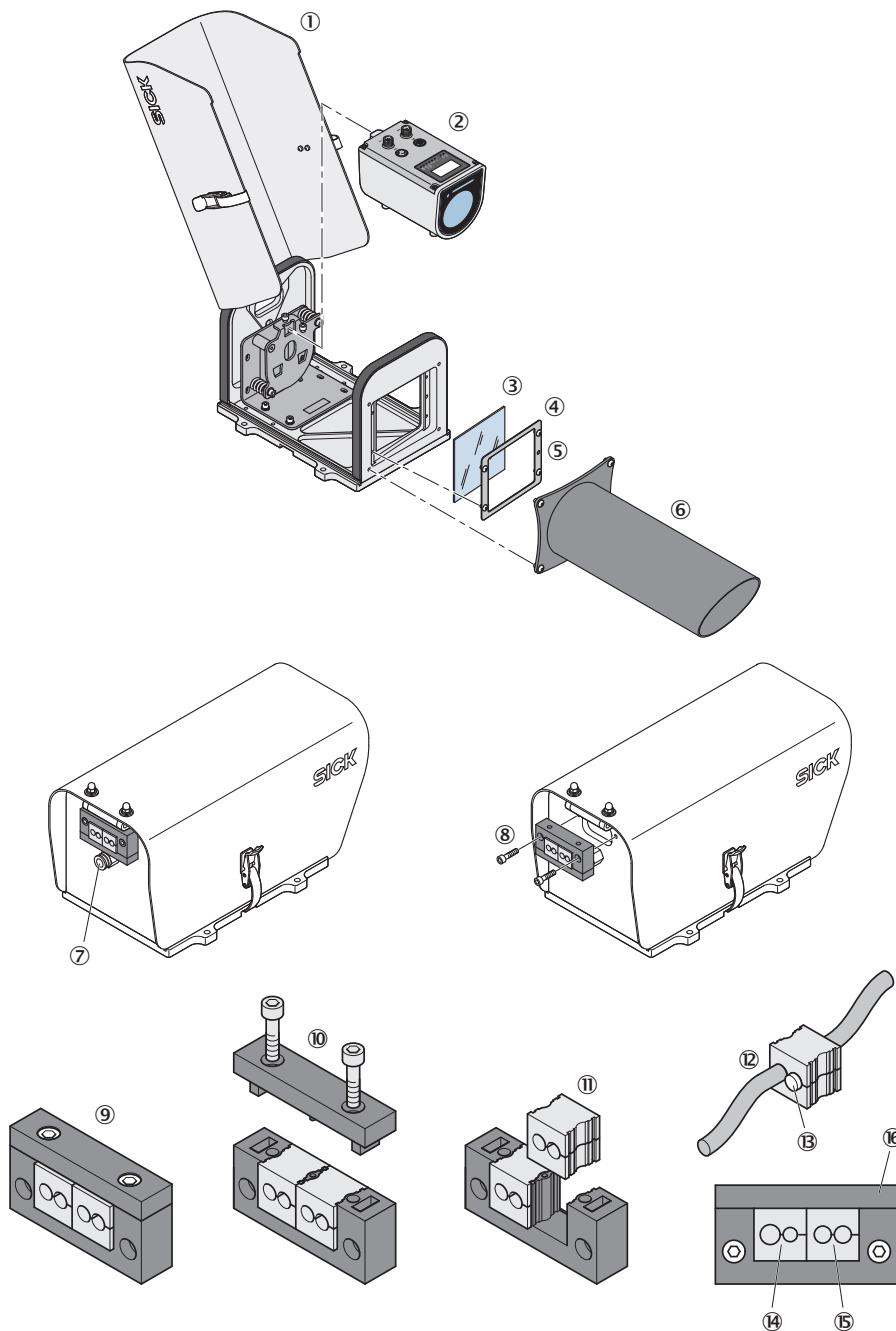
② Tube for heavy-duty protective housing (part number 2087694)

Instruction for installation Position of laser axes



- ① Optical axis, alignment laser
- ② Optical axis, receiver
- ③ Optical axis, measurement laser

Instruction for installation Heavy-duty protective housing



- ① Heavy-duty protective housing (part number 2087691)
- ② Dx1000
- ③ Front screen (part number 4090054)
- ④ Front screen frame
- ⑤ Outlet for compressed air; for connection for operation without compressed-air flushing: mount the disc frame rotated 180° through the longitudinal axis of the housing
- ⑥ Tube for heavy-duty protective housing (part number 2087694)
- ⑦ Inlet for compressed air, push-in fitting for 10 mm connection hose, max. pressure 100 mbar, air outlet (5) must be open for compressed-air operation
- ⑧ Loosen 2x hexagon socket screws (M5x16) at entry for connecting cables
- ⑨ Remove entry for connecting cables and rotate through 180°
- ⑩ Loosen 2x hexagon socket screws (M5x30) and remove bracket
- ⑪ Remove cable sleeves

- ⑫ Push connecting cables into cable sleeves (note cable diameter)
- ⑬ Seal unused entries with dummy plugs
- ⑭ Cable sleeve with cable entry Ø 7 mm (power) / Ø 5 mm (auxiliary)
- ⑮ Cable sleeve with cable entry Ø 6 mm (Ethernet) / Ø 6 mm (Ethernet)
- ⑯ Mounting in reverse order

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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.”

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