Data sheet

Heavy-duty protective housing with cooling

Protective housing

DEVICE PROTECTION AND CARE

SICK
Sensor Intelligence.

Illustration may differ

Ordering information

Type	part no.
Heavy-duty protective housing with cooling	2087692

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

Detailed technical data

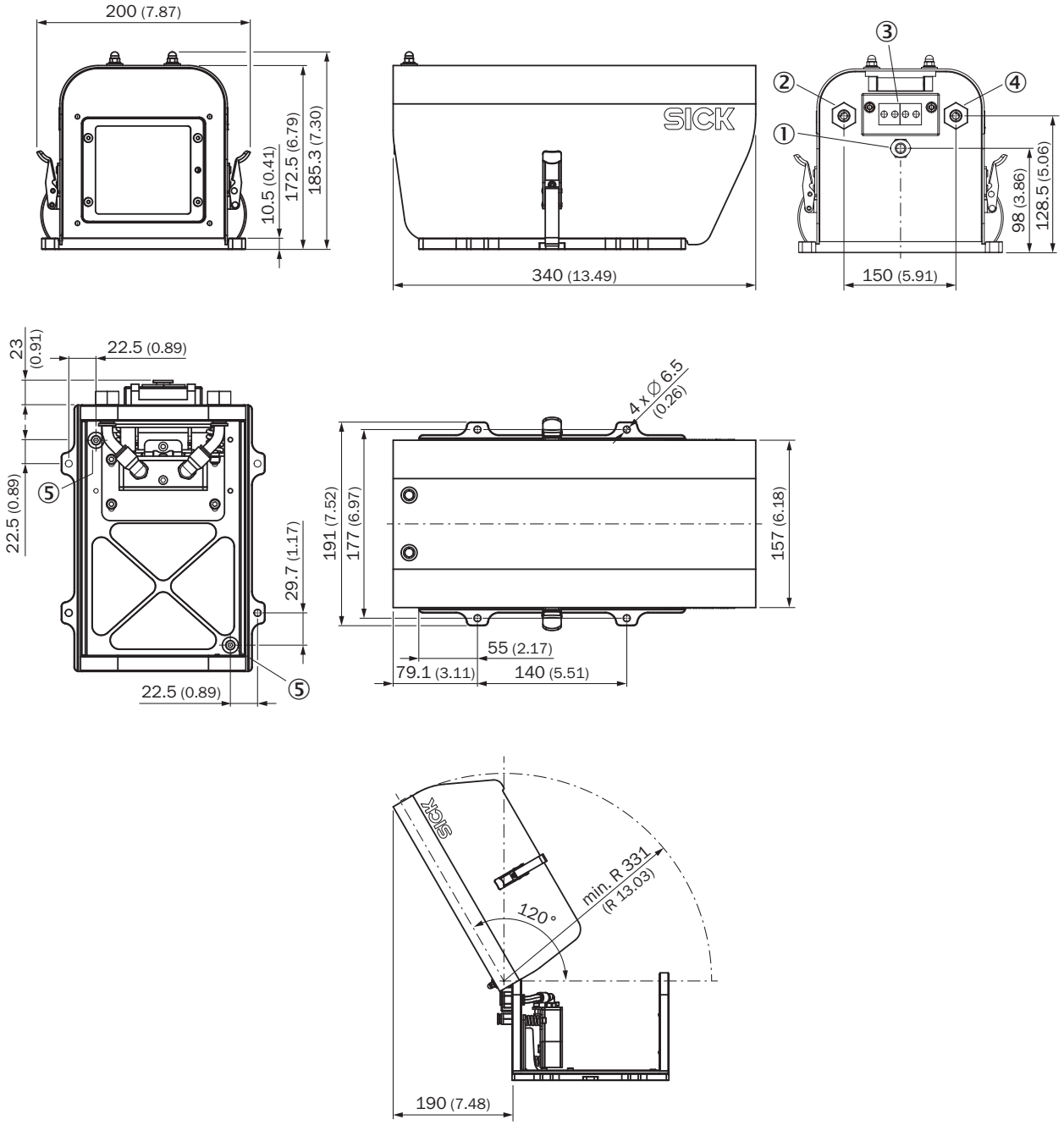
Features

Product segment	Device protection and care
Product	Protective housing
Description	Min. cooling water flow rate 2 l/min, max. water pressure 6 bar. 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 water cooling, alignment bracket and front screen (pre-installed). The tube for the heavy-duty protective housing is not included with delivery.
Material	Housing: aluminum. Attachments: stainless steel, zinc coated and passivated steel, plastic, EPDM, NBR, elastomer, glass
Ambient operating temperature	+95 °C, at a cooling water temperature of 20 °C +80 °C, at a cooling water temperature of 30 °C +75 °C, at a cooling water temperature of 35 °C
Weight	4.2 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

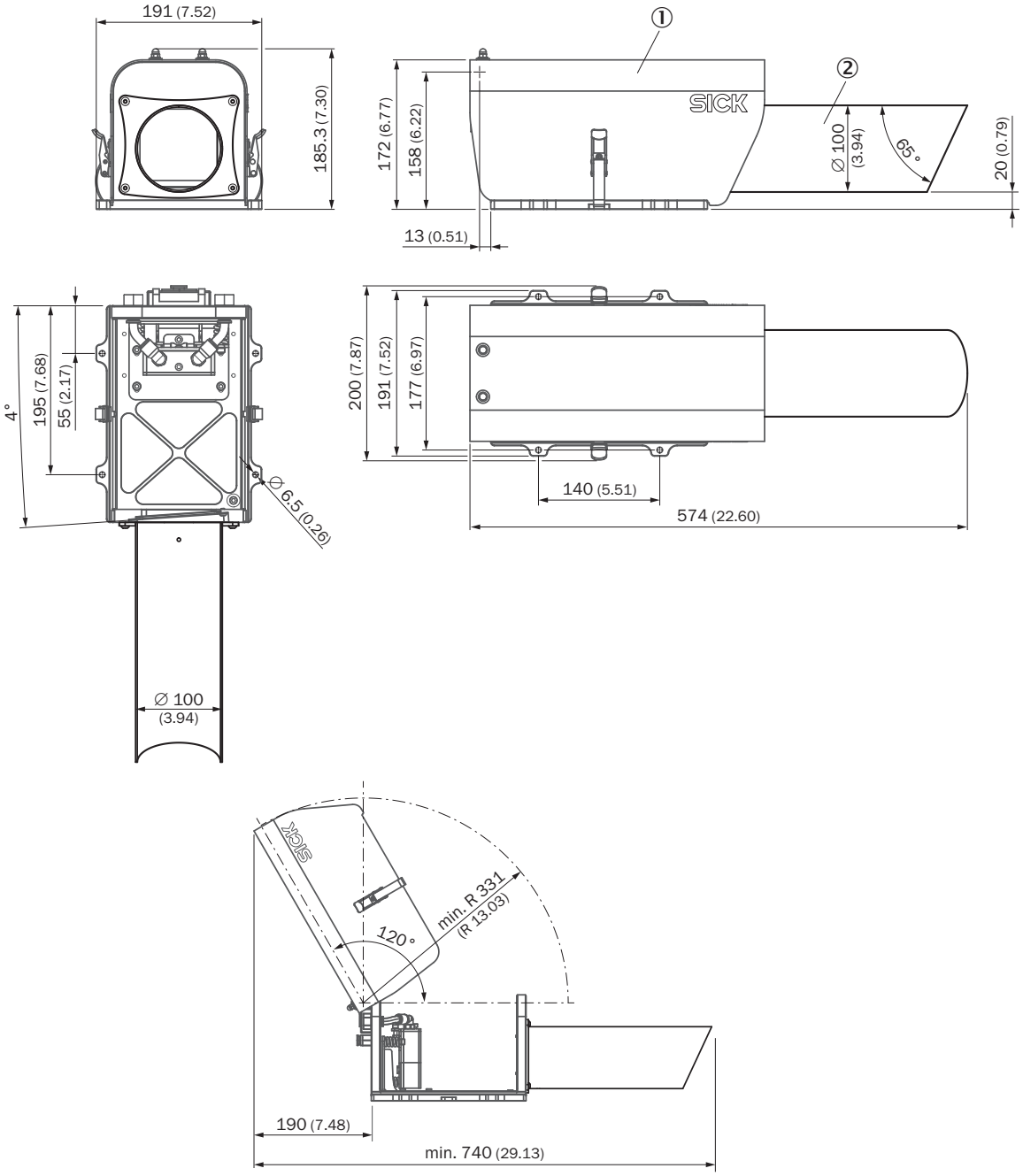
Dimensional drawing Heavy-duty protective housing with water cooling



Dimensions in mm (inch)

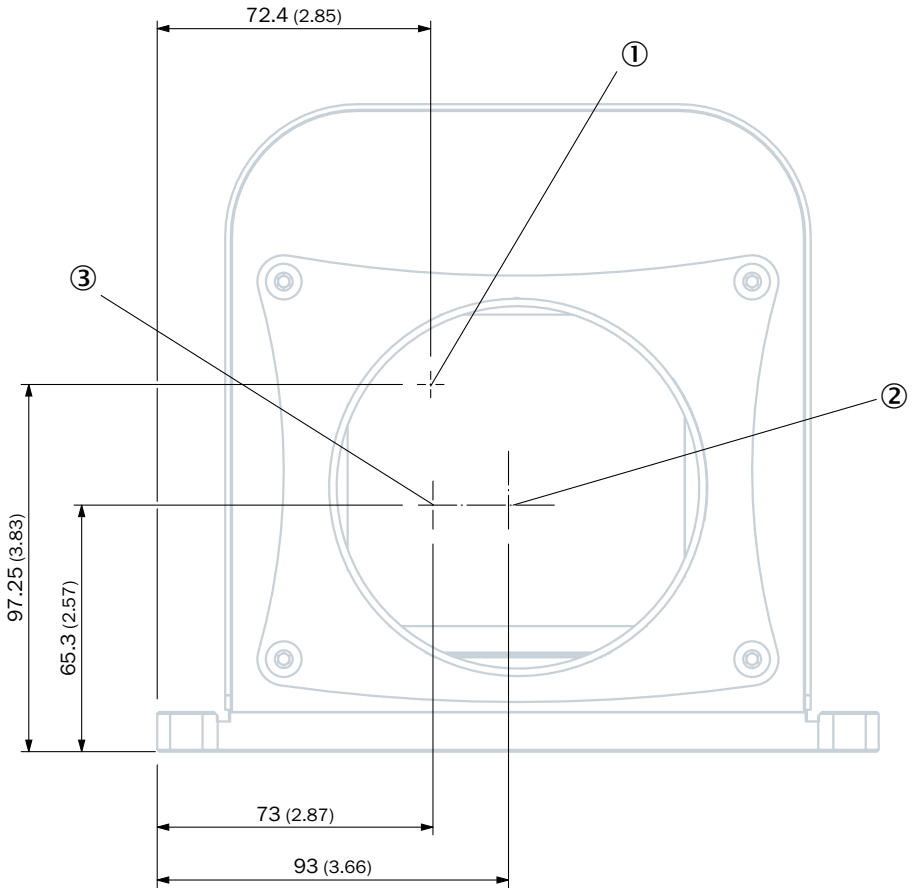
① Inlet for compressed air, push-in fitting for 10 mm connection hose, max. pressure 100 mbar (follow instructions for mounting)
② Inlet/outlet for cooling water, female thread G ¼, max. water pressure 6 bar, minimum flow rate 2 l/min
③ Entry for connecting cables (follow instructions for mounting)
④ Inlet/outlet for cooling water, female thread G ¼, max. water pressure 6 bar, minimum flow rate 2 l/min
⑤ 2x outlet bores for draining condensate water (sealed with screws on delivery)

Dimensional drawing Heavy-duty protective housing with water cooling and tube



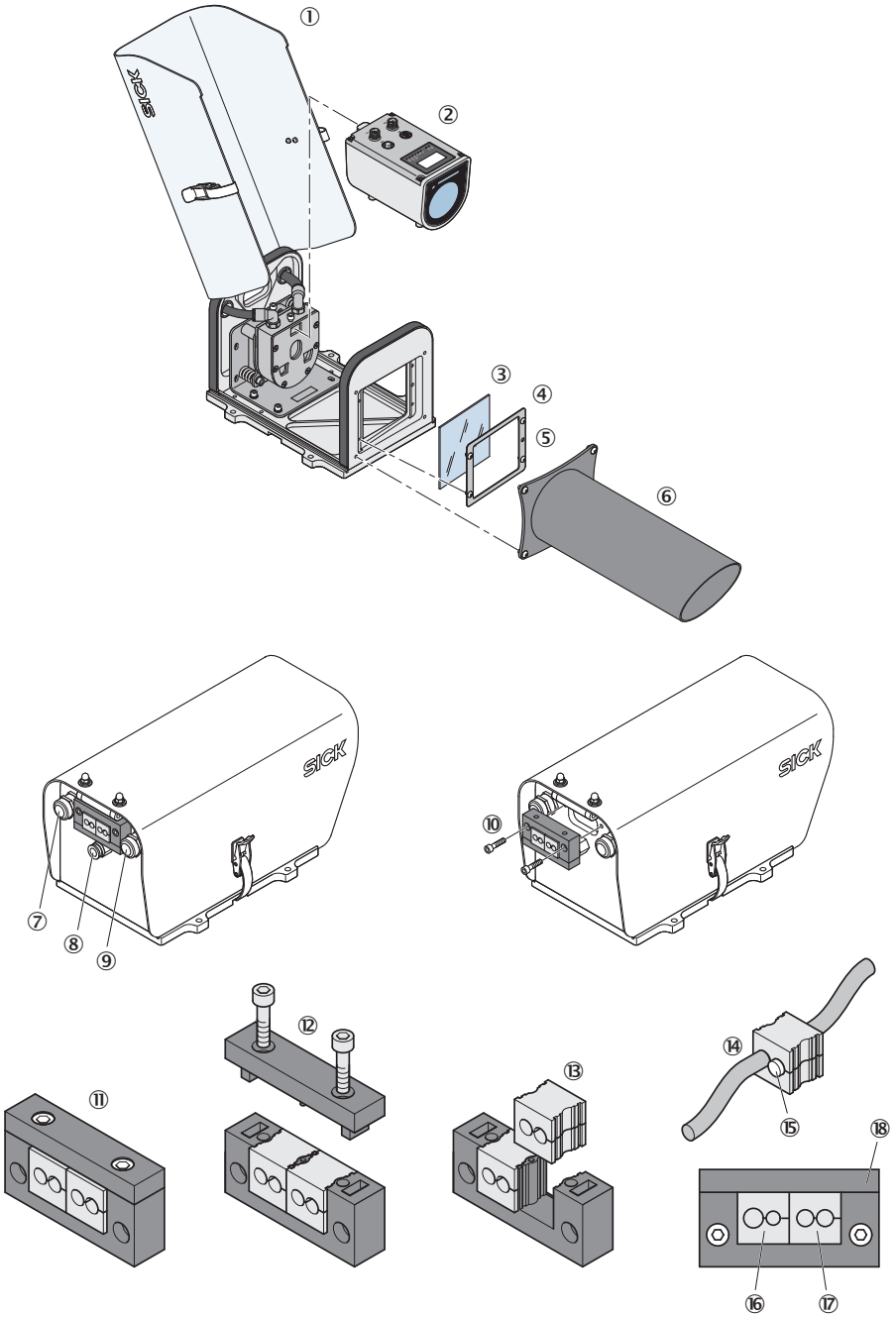
Dimensions in mm (inch)
① Heavy-duty protective housing with water cooling (part number 2087692)
② Tube for heavy-duty protective housing (part number 2087694)

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 with water cooling



① Heavy-duty protective housing with water cooling (part number 2087692)
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 disc frame rotated through 180°
⑥ Tube for heavy-duty protective housing (part number 2087694)
⑦ Inlet/outlet for cooling water, female thread G ¼, max. water pressure 6 bar, minimum flow rate 2 l/min
⑧ 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
⑨ Inlet/outlet for cooling water, female thread G ¼, max. water pressure 6 bar, minimum flow rate 2 l/min
⑩ Loosen 2x hexagon socket screws (M5x16) at entry for connecting cables
⑪ Remove entry for connecting cables and rotate through 180°
⑫ Loosen 2x hexagon socket screws (M5x30) and remove bracket

⑬ Remove cable sleeves
⑭ Push connecting cables into cable sleeves (note cable diameter)
⑮ Seal unused entries with dummy plugs
⑯ Cable sleeve with cable entry Ø 7 mm (power) / Ø 5 mm (auxiliary)
⑰ Cable sleeve with cable entry Ø 6 mm (Ethernet) / Ø 6 mm (Ethernet)
⑱ 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.

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For us, that is “Sensor Intelligence.”

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