



# 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](http://www.sick.com/Protective_housing)

### Detailed technical data

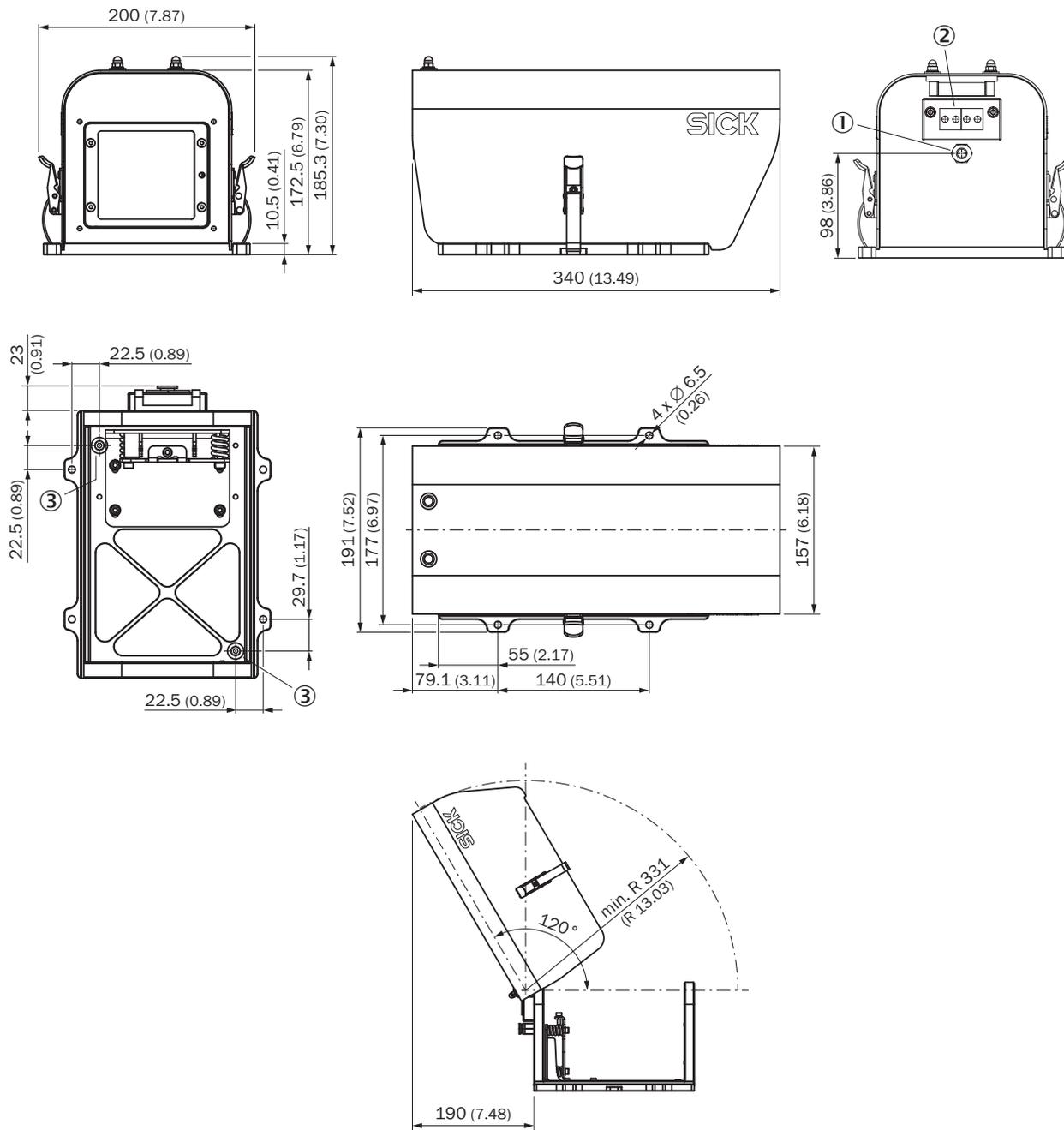
#### Features

<b>Product segment</b>	Device protection and care
<b>Product</b>	Protective housing
<b>Description</b>	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.
<b>Items supplied</b>	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.
<b>Material</b>	Housing: aluminum. Attachments: stainless steel, zinc coated and passivated steel, plastic, EPDM, NBR, elastomer, glass
<b>Weight</b>	2.9 kg

#### Classifications

<b>ECLASS 5.0</b>	27279202
<b>ECLASS 5.1.4</b>	27279202
<b>ECLASS 6.0</b>	27279202
<b>ECLASS 6.2</b>	27279202
<b>ECLASS 7.0</b>	27279202
<b>ECLASS 8.0</b>	27279202
<b>ECLASS 8.1</b>	27279202
<b>ECLASS 9.0</b>	27273701
<b>ECLASS 10.0</b>	27273701
<b>ECLASS 11.0</b>	27273701
<b>ECLASS 12.0</b>	27273701
<b>ETIM 5.0</b>	EC000202
<b>ETIM 6.0</b>	EC000202
<b>ETIM 7.0</b>	EC000202
<b>ETIM 8.0</b>	EC000202
<b>UNSPSC 16.0901</b>	32131023

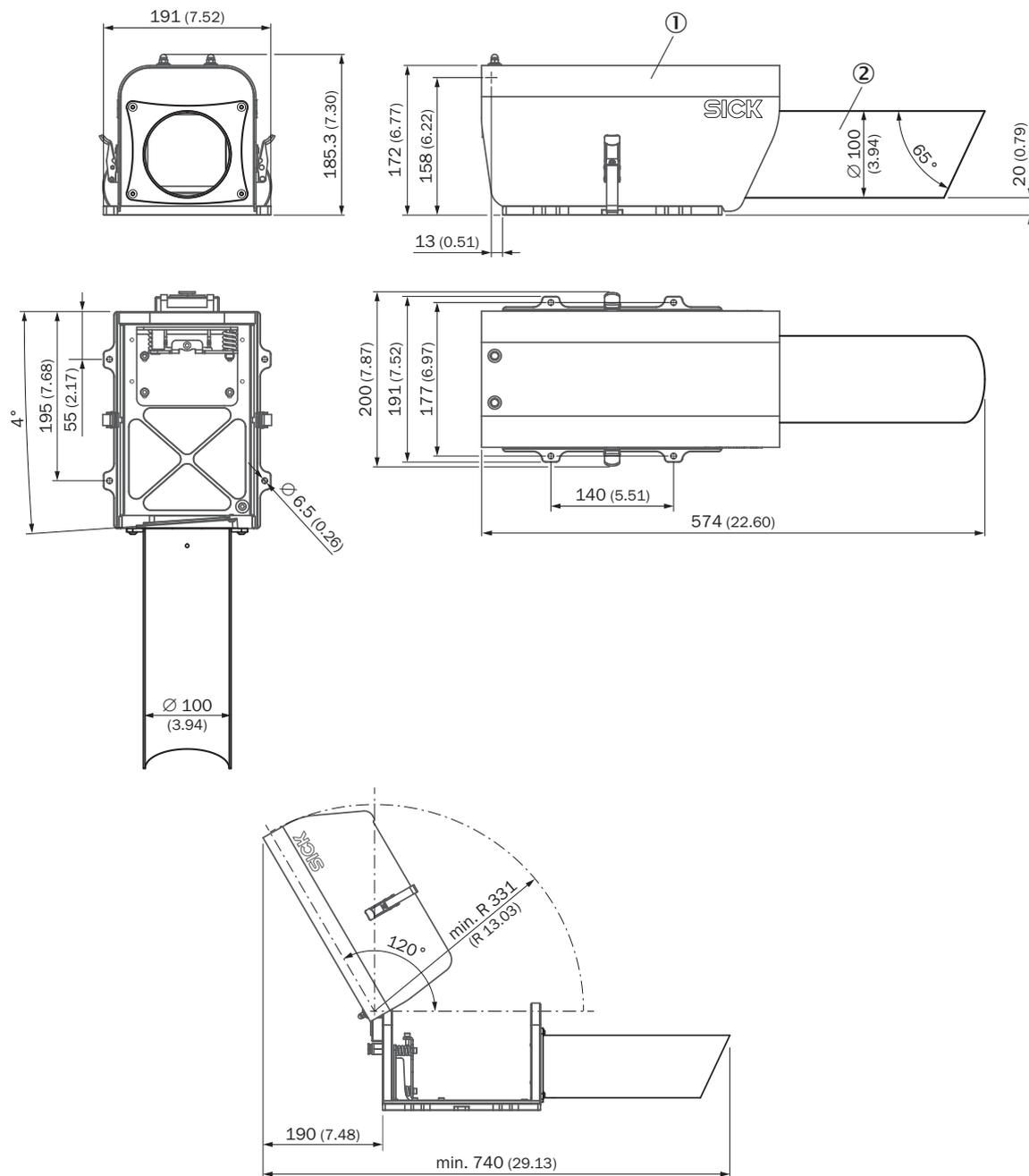
### Dimensional drawing Heavy-duty protective housing



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

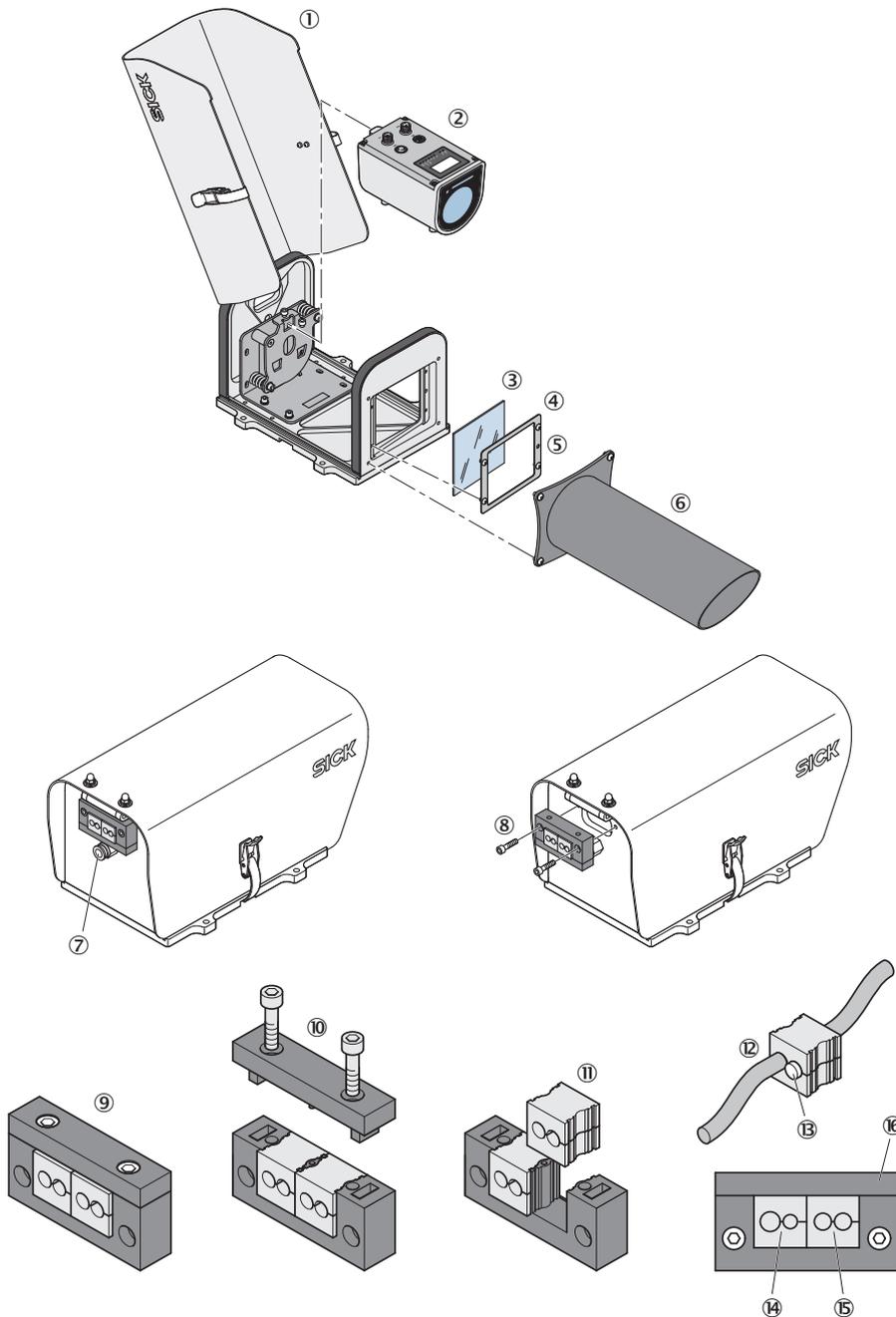


Dimensions in mm (inch)

① Heavy-duty protective housing (part number 2087691)

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

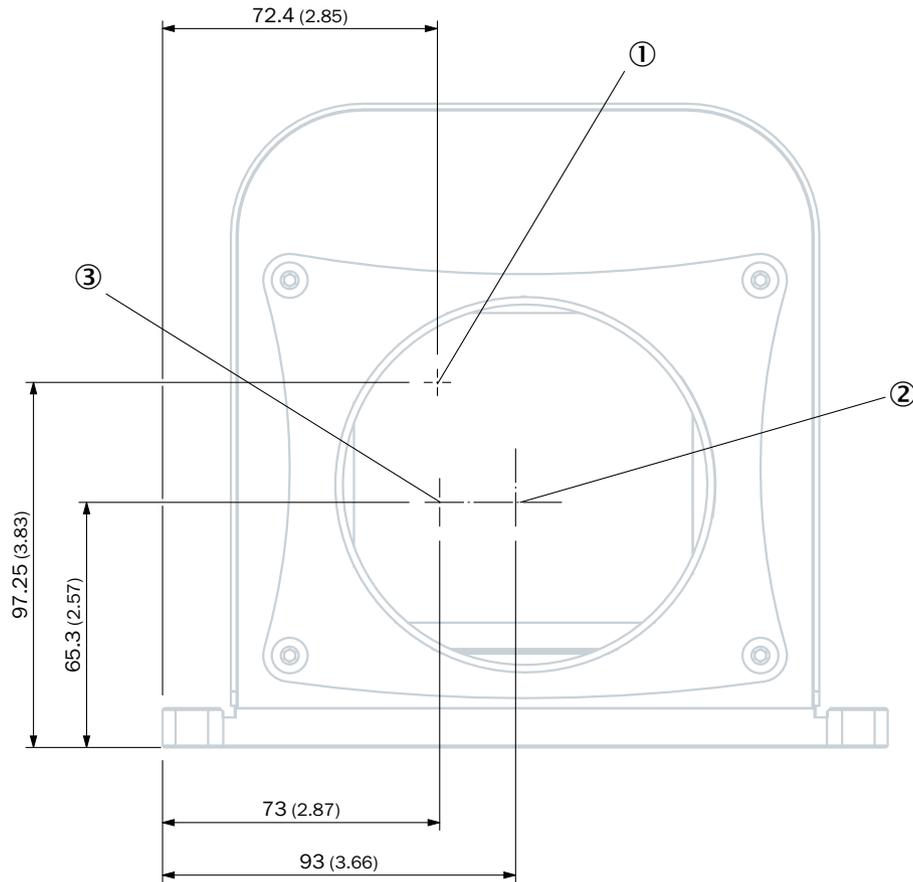
## Instruction for installation Heavy-duty protective housing



- 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

- ② Push connecting cables into cable sleeves (note cable diameter)
- ③ Seal unused entries with dummy plugs
- ④ Cable sleeve with cable entry  $\varnothing$  7 mm (power) /  $\varnothing$  5 mm (auxiliary)
- ⑤ Cable sleeve with cable entry  $\varnothing$  6 mm (Ethernet) /  $\varnothing$  6 mm (Ethernet)
- ⑥ Mounting in reverse order

### Instruction for installation Position of laser axes



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

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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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