

## HISIC450-R250

HISIC

PHOTOELECTRIC SENSORS

**SICK**  
Sensor Intelligence.



## Ordering information

Type	part no.
HISIC450-R250	1041347

Other models and accessories → [www.sick.com/HISIC](http://www.sick.com/HISIC)

Illustration may differ

## Detailed technical data

### Features

<b>Functional principle</b>	Through-beam photoelectric sensor
<b>Sensing range max.</b>	≤ 100 m <sup>1)</sup>
<b>Special applications</b>	Overheight
<b>Items supplied</b>	2 x sender, 2 x receiver, 4 x ball joint bracket, material stainless steel 1.4581, 4 x weather hood, material stainless steel 1.4571, powder-coated

<sup>1)</sup> For outdoor measurement.

### Electronics

<b>Supply voltage <math>U_e</math></b>	20 V AC/DC ... 250 V AC/DC <sup>1)</sup>
<b>Digital output</b>	
Number	1
Type	Relay contact
Output current $I_{max.}$	750 mA
Power consumption	120 W
Circuit protection outputs	Electrically isolated
Response time	≤ 10 ms
<b>Power consumption</b>	≤ 6 W

<sup>1)</sup> Tolerance of ± 10 %.

### Mechanics

<b>Dimensions (W x H x D)</b>	60 mm x 126 mm x 105 mm
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### Ambient data

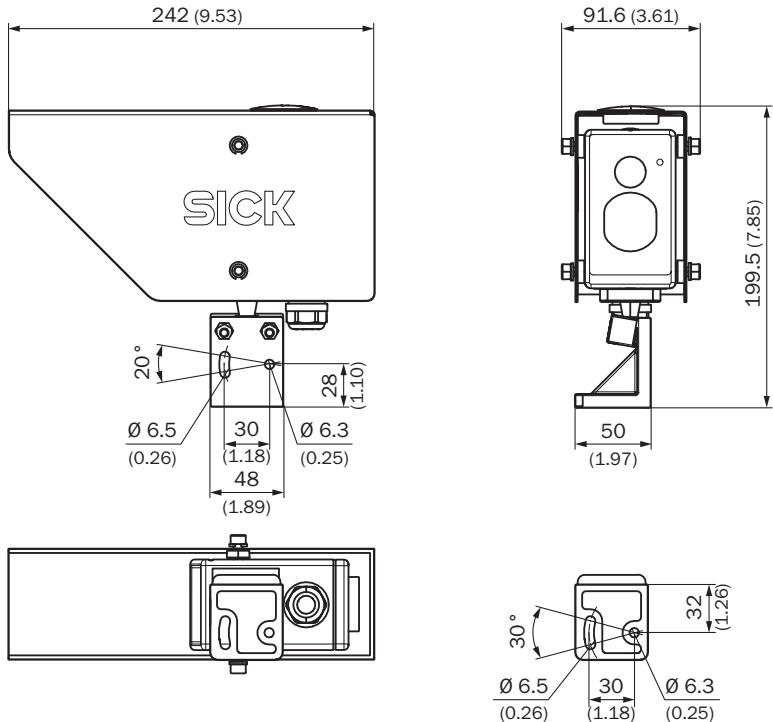
<b>Enclosure rating</b>	IP67
<b>Ambient operating temperature</b>	-25 °C ... +55 °C

### Classifications

<b>ECLASS 5.0</b>	27270902
<b>ECLASS 5.1.4</b>	27270902
<b>ECLASS 6.0</b>	27270902
<b>ECLASS 6.2</b>	27270902
<b>ECLASS 7.0</b>	27270902

<b>ECLASS 8.0</b>	27270902
<b>ECLASS 8.1</b>	27270902
<b>ECLASS 9.0</b>	27270902
<b>ECLASS 10.0</b>	27270902
<b>ECLASS 11.0</b>	27270902
<b>ETIM 5.0</b>	EC002717
<b>ETIM 6.0</b>	EC002717
<b>ETIM 7.0</b>	EC002717
<b>ETIM 8.0</b>	EC002717
<b>UNSPSC 16.0901</b>	46171620

### HISIC450 sender/receiver unit



Dimensions in mm (inch)

## SICK AT A GLANCE

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:

Contacts and other locations [www.sick.com](http://www.sick.com)