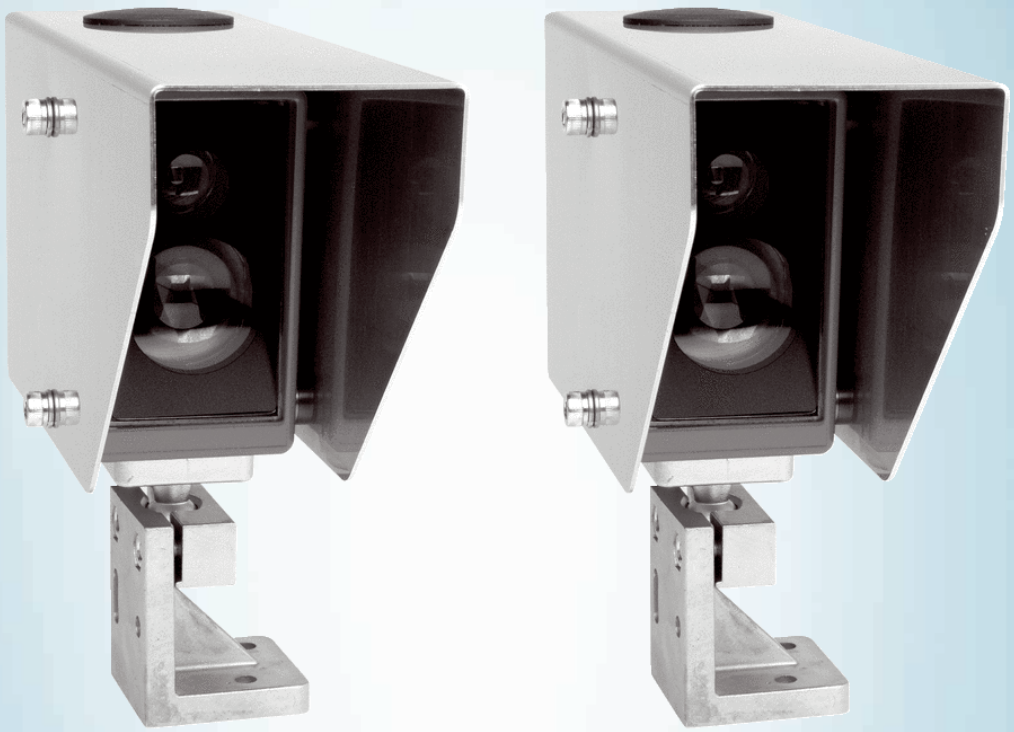
Product data sheet

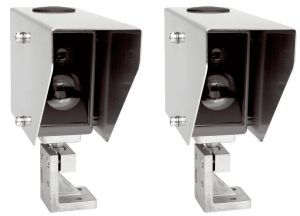


System HISIC450

HISIC450

OVERHEIGHT DETECTORS

SICK
Sensor Intelligence.



Ordering information

Type	Part no.
System HISIC450	On request

Our regional sales organization will help you to select the optimum device configuration.

Other models and accessories ➜ www.sick.com/HISIC450

Detailed technical data

Technical specifications

Measured values	Overheight
Maximum number of measurands	1
Measurement principles	Double photoelectric switch
Length of measuring path	≤ 100 m For outdoor measurement
Response time (t_{90})	HISIC450-N250, HISIC450-P250: ≤ 500 µs HISIC450-R250: ≤ 10 ms
Ambient temperature	–25 °C ... +55 °C
Electrical safety	CE
Enclosure rating	IP67
Digital outputs	1 PNP output: 200 mA Short-circuit-proof, only HISIC450-P250 1 NPN output: 200 mA Short-circuit-proof, only HISIC450-N250 1 relay contact: 750 mA, 120 W Electrically isolated, only HISIC450-R250
Dimensions (W x H x D)	60 mm x 126 mm x 105 mm (for details see dimensional drawings)
Energy supply	
Voltage	HISIC450-R250 20 V AC/DC ... 250 V AC/DC, ± 10 % HISIC450-N250, HISIC450-P250 10 V DC ... 60 V DC, ± 10 % Connections Protected against polarity Reversal, only HISIC450-N250 and HISIC450-P250
Current consumption	HISIC450-N250, HISIC450-P250: ≤ 250 mA
Power consumption	HISIC450-R250: ≤ 6 W

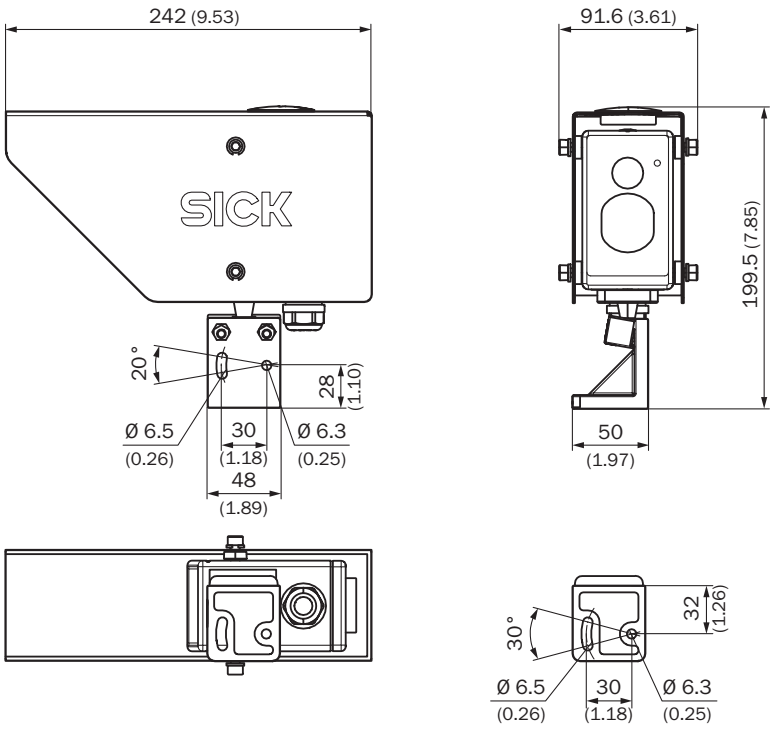
Classifications

ECLASS 5.0	27270902

ECLASS 5.1.4	27270902
ECLASS 6.0	27270902
ECLASS 6.2	27270902
ECLASS 7.0	27270902
ECLASS 8.0	27270902
ECLASS 8.1	27270902
ECLASS 9.0	27270902
ECLASS 10.0	27270902
ECLASS 11.0	27270902
ETIM 5.0	EC002717
ETIM 6.0	EC002717
ETIM 7.0	EC002717
ETIM 8.0	EC002717
UNSPSC 16.0901	46171620

Dimensional drawing (Dimensions in mm (inch))

HISIC450 sender/receiver unit



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