



ST130S13

SICK
Sensor Intelligence.



Ordering information

Type	Part no.
ST130S13	6011083

Other models and accessories → www.sick.com/

Illustration may differ



Detailed technical data

Features

Sensor/ detection principle	Photoelectric retro-reflective sensor
Dimensions (W x H x D)	27 mm x 16 mm
Housing design (light emission)	Rectangular
Sensing range max.	5 mm ... 30 mm ¹⁾
Sensing range	14 mm ... 18 mm ¹⁾
Type of light	Visible red light
Light source	LED

¹⁾ Object with 90 % reflectance (referred to standard white, DIN 5033).

Mechanics/electronics

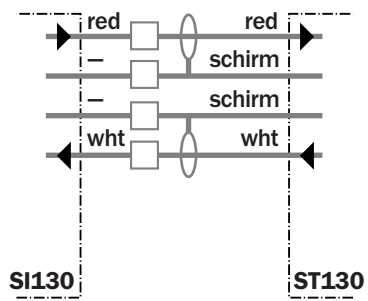
Supply voltage	10 V DC ... 30 V DC
Power consumption	35 mA ¹⁾
Switching mode	Light/dark switching
Response time	≤ 0.5 ms ²⁾
Connection type	Cable, 2 m ³⁾
Cable material	PVC
Conductor cross-section	0.8 mm ²
Housing material	Plastic, ABS
Optics material	Plastic, PMMA
Enclosure rating	IP66
Ambient operating temperature	-25 °C ... +55 °C
Ambient storage temperature	-40 °C ... +70 °C

¹⁾ Without load.

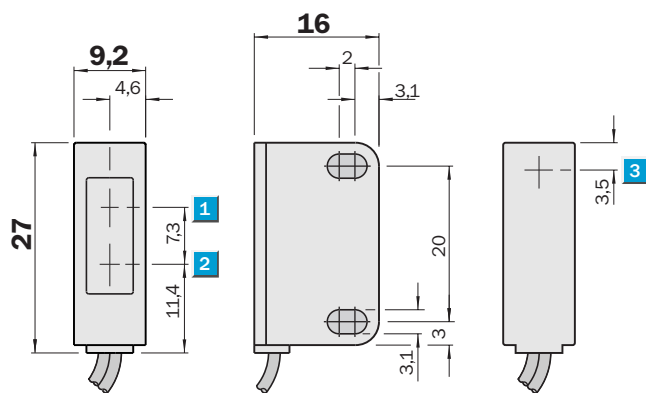
²⁾ Signal transit time with resistive load.

³⁾ Do not bend below 0 °C.

Connection diagram



Dimensional drawing (Dimensions in mm (inch))



- ① Center of transmitter's optical axis
- ② Center of optical axis, receiver
- ③ Red LED: light reception

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