



WLL160T-E430

SICK
Sensor Intelligence.



Illustration may differ



Ordering information

Type	Part no.
WLL160T-E430	6010649

Other models and accessories → www.sick.com/

Detailed technical data

Features

Dimensions (W x H x D)	12 mm x 59 mm
Housing design (light emission)	Rectangular
Sensing range max.	0 mm ... 2,000 mm ¹⁾
Sensing range	0 mm ... 400 mm ¹⁾
Type of light	Visible red light
Light source	LED
Wave length	660 nm

¹⁾ Object with 90% remission (based on standard white, DIN 5033).

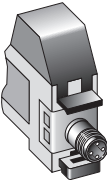
Mechanics/electronics

Supply voltage	10 V DC ... 24 V DC
Ripple	< 5 V _{pp}
Current consumption	50 mA ¹⁾
Switching output	NPN
Switching mode	Light/dark switching
Response time	≤ 0.5 ms ²⁾
Connection type	Male connector M8, 4-pin
Housing material	Plastic, ABS
Optics material	Plastic, PMMA
Enclosure rating	IP66
Ambient operating temperature	-25 °C ... +55 °C
Ambient temperature, storage	-40 °C ... +70 °C
UL File No.	NRNT2.E128350 & NRNT8.E128350

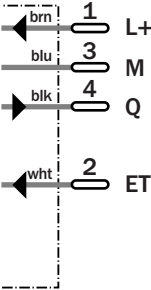
¹⁾ Without load.

²⁾ Signal transit time with resistive load.

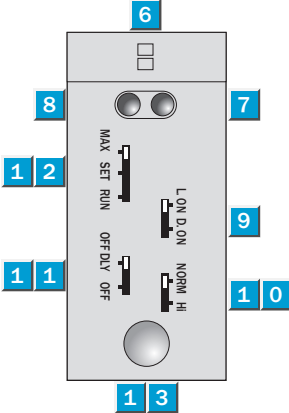
Connection type



Connection diagram

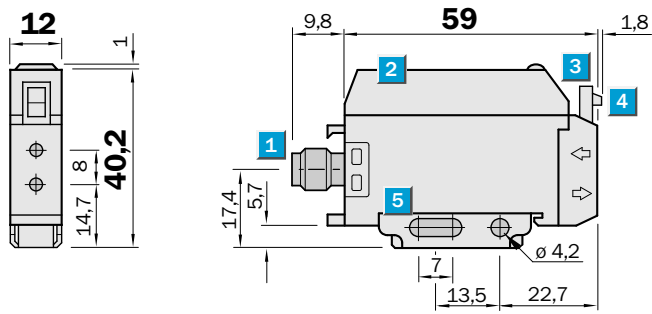


Adjustments



- ⑥ Correct fiber assembly display
- ⑦ Red LED (lights up when switching threshold is exceeded)
- ⑧ LED indicator green
- ⑨ Selector switch light ("L.ON") / dark switching ("D.ON")
- ⑩ Selector switch for analogue output response time
- ⑪ Selector switch switch-off delay On ("OFF DLY") / off ("OFF"); 40 ms fix
- ⑫ Operating mode selector switch "MAX / SET /RUN"

Dimensional drawing (Dimensions in mm (inch))



- ① Connection
- ② Protection Hood
- ③ Locking the fiber-optic cables (press down)
- ④ Releasing the fiber-optic cables (press lug)
- ⑤ Mounting bracket (included in delivery)

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