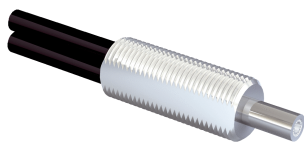


LL3-DB01

LL3

FIBER-OPTIC SENSORS AND FIBERS

SICK
Sensor Intelligence.



Ordering information

Type	Part no.
LL3-DB01	5308074

Other models and accessories → www.sick.com/LL3

Detailed technical data

Features

Device type	Fibers
Detection principle	Proximity system
For fiber-optic sensor	WLL190T-2, WLL180T, WLL170-2 / WLL170T-2, WLL160(T)
Fiber length	2,000 mm
Core material	PMMA
Sleeve material	Stainless steel ¹⁾
Jacket material	PE
Mounting sleeve dimension	M6
Diameter, connection	2.2 mm
Fiber-optic cable cuttable	✓ ²⁾
Minimal object diameter	0.015 mm ³⁾
Category fiber-optic cables	Threaded sleeve
Core structure	C,S: Ø 1,0 mm, E: 16 x Ø 0,25 mm ⁴⁾
Thread sleeve	✓
Bend radius, fibre-optic cable	25 mm
Heat resistance	+70 °C
Ambient operating temperature	-40 °C ... +70 °C
Special features	Coaxial construction for exact switching. Standard, large sensing range

¹⁾ Stainless steel.

²⁾ FC fiber optic cable cutter included in delivery.

³⁾ Minimum detectable object was determined at optimum measuring distance and optimum setting.

⁴⁾ C = Coaxial, S = Sender, E = Receiver.

Sensing ranges with WLL170-2

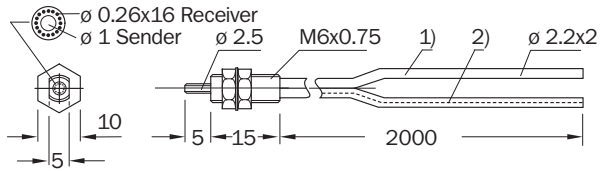
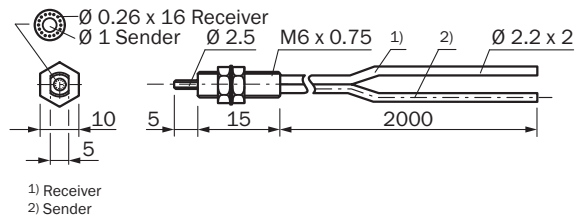
Redlight 250 µs	160 mm
Greenlight 250 µs	37 mm
Highspeed 50 µs	62 mm

Sensing ranges with WLL180T

Operating mode 16 µs	90 mm
Operating mode 70 µs	280 mm
Operating mode 250 µs	500 mm
Operating mode 2 ms	900 mm
Operating mode 8 ms	1,350 mm

Dimensional drawing (Dimensions in mm (inch))

LL3-DB01



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