

LL3-DM02-3

LL3

FIBERS





Ordering information

Туре	Part no.
LL3-DM02-3	5327029

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

Detailed technical data

Features

Device type Fibers Functional principle Proximity system For fiber-optic sensor GLL170(T), WLL180, WLL80 Sensing range max. Depends on the fiber-optic sensor used Fiber length 3,000 mm Fiber material Polymethylmethacrylat (PMMA) Jacket material Stainless steel Outer diameter, fiber-optic cable connection \$1.3 mm Fiber-optic cable cuttable ✓ Thread diameter (housing) M4 Fiber-optic head design Threaded sleeve Fiber arrangement Coaxial arrangement Core structure \$0,5 mm, R: 9 x Ø 0,25 mm ³⁾ Coaxial arrangement Cornepatibility with infrared light (1,450 mm) No Highly fiexbile/elastic fibers (bend radius 1-4 mm) No Adapter end sleeves required Yes Angle of dispersion 60° Integrated lens No Minimal object diameter O.015 mm ²⁾ Included with delivery Coaxial construction for exact switching, Compact head Special features Coaxial construction for exact switching, Compact head		
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Special features Coaxial construction for exact switching. Compact head	Compatibility tip adapters	Yes
	Special features	Coaxial construction for exact switching. Compact head

 $^{^{1)}}$ C = Coaxial, S = Sender, E = Receiver.

Mechanics/electronics

Bend radius, fibre-optic cable	15 mm
Ambient operating temperature	-40 °C +70 °C

 $^{^{2)}}$ Minimum detectable object was determined at optimum measuring distance and optimum setting.

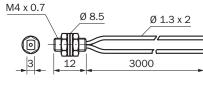
Classifications

ECLASS 5.0	27270905
ECLASS 5.1.4	27270905
ECLASS 6.0	27270905
ECLASS 6.2	27270905
ECLASS 7.0	27270905
ECLASS 8.0	27270905
ECLASS 8.1	27270905
ECLASS 9.0	27270905
ECLASS 10.0	27270905
ECLASS 11.0	27270905
ECLASS 12.0	27270905
ETIM 5.0	EC002651
ETIM 6.0	EC002651
ETIM 7.0	EC002651
ETIM 8.0	EC002651
UNSPSC 16.0901	39121528

Sensing ranges with WLL180T

Operating mode 16 µs	40 mm
Operating mode 70 µs	130 mm
Operating mode 250 µs	200 mm
Operating mode 2 ms	350 mm
Operating mode 8 ms	600 mm
Note	Sensing ranges related to fiber-optic sensors with type of light: visible red light

Dimensional drawing (Dimensions in mm (inch))





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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."

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