



# LL3-DB114000

LL3

FIBERS

**SICK**  
Sensor Intelligence.

### Ordering information



Type	Part no.
LL3-DB114000	5338927

**Included in delivery:** FC (1)

Other models and accessories → [www.sick.com/LL3](http://www.sick.com/LL3)

### Detailed technical data

#### Features

<b>Device type</b>	Fibers
<b>Detection principle</b>	Proximity system
<b>For fiber-optic sensor</b>	GLL170(T), WLL180T
<b>Fiber length</b>	4,000 mm
<b>Fiber material</b>	Polymethylmethacrylat (PMMA)
<b>Jacket material</b>	Polyethylen (PE)
<b>Fiber head material</b>	Stainless steel
<b>Outer diameter, fiber-optic cable connection</b>	1.3 mm
<b>Fiber-optic cable cuttable</b>	✓ <sup>1)</sup>
<b>Smooth sleeve diameter (greatest diameter)</b>	6 mm
<b>Fiber-optic head design</b>	Smooth sleeve
<b>Fiber arrangement</b>	Monofiber
<b>Core structure</b>	2 x Ø 1,0 mm Monofiber
<b>Bend radius, fibre-optic cable</b>	25 mm
<b>Angle of dispersion &lt; 60°</b>	No
<b>Compatibility with infrared light (1,450 nm)</b>	No
<b>Ambient operating temperature</b>	-55 °C ... +70 °C
<b>Highly flexible/elastic fibers (bend radius 1-4 mm)</b>	No
<b>Adapter end sleeves required</b>	Yes
<b>Angle of dispersion</b>	60°
<b>Integrated lens</b>	No
<b>Minimal object diameter</b>	0.02 mm <sup>2)</sup>
<b>Included with delivery</b>	Adapter sleeve BF-WLL160-13 (1,3 mm), FC fiber cutter (5304141)
<b>Compatibility tip adapters</b>	No
<b>Special features</b>	Stainless steel head, PE tube, 1 m

<sup>1)</sup> FC fiber optic cable cutter included in delivery.

<sup>2)</sup> Minimum detectable object was determined at optimum measuring distance and optimum setting.

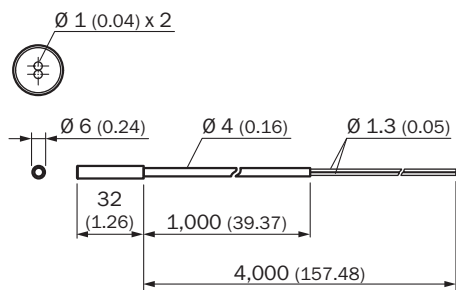
Mechanics/electronics

<b>Bend radius, fibre-optic cable</b>	25 mm
<b>Ambient operating temperature</b>	-55 °C ... +70 °C

Classifications

<b>ECI@ss 5.0</b>	27270905
<b>ECI@ss 5.1.4</b>	27270905
<b>ECI@ss 6.0</b>	27270905
<b>ECI@ss 6.2</b>	27270905
<b>ECI@ss 7.0</b>	27270905
<b>ECI@ss 8.0</b>	27270905
<b>ECI@ss 8.1</b>	27270905
<b>ECI@ss 9.0</b>	27270905
<b>ECI@ss 10.0</b>	27270905
<b>ECI@ss 11.0</b>	27270905
<b>ETIM 5.0</b>	EC002651
<b>ETIM 6.0</b>	EC002651
<b>ETIM 7.0</b>	EC002651
<b>UNSPSC 16.0901</b>	39121528

Dimensional drawing (Dimensions in mm (inch))



## 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](http://www.sick.com)