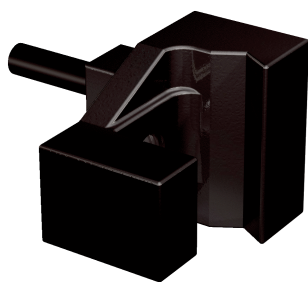


# LL3-TF01

LL3

FIBER-OPTIC SENSORS AND FIBERS

**SICK**  
Sensor Intelligence.



### Ordering information

Type	Part no.
LL3-TF01	5324242

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>	Through-beam system
<b>For fiber-optic sensor</b>	GLL170(T), WLL180T
<b>Fiber length</b>	2 m
<b>Fiber material</b>	Polymethylmethacrylat (PMMA)
<b>Jacket material</b>	Polyethylen (PE)
<b>Fiber head material</b>	Polyamid (PA)
<b>Outer diameter, fiber-optic cable connection</b>	1 mm
<b>Fiber-optic cable cuttable</b>	✓ <sup>1)</sup>
<b>Fiber-optic head design</b>	Special design
<b>Fiber arrangement</b>	Multi-fiber, unsorted
<b>Core structure</b>	Multi-fiber, unsorted
<b>Bend radius, fibre-optic cable</b>	20 mm
<b>Compatibility with infrared light (1,450 nm)</b>	No
<b>Ambient operating temperature</b>	-20 °C ... +60 °C
<b>Application</b>	Liquid Level (Pipe-mounting)
<b>Highly flexible/elastic fibers (bend radius 1–4 mm)</b>	No
<b>Adapter end sleeves required</b>	Yes
<b>Integrated lens</b>	Yes
<b>Included with delivery</b>	Mounting, 2 x cable tie, 2 x hose (8 mm), adapter sleeves, BF-WLL160-10 (1.0 mm) adapter sleeves, FC fiber cutter (5304141)
<b>Compatibility tip adapters</b>	No

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

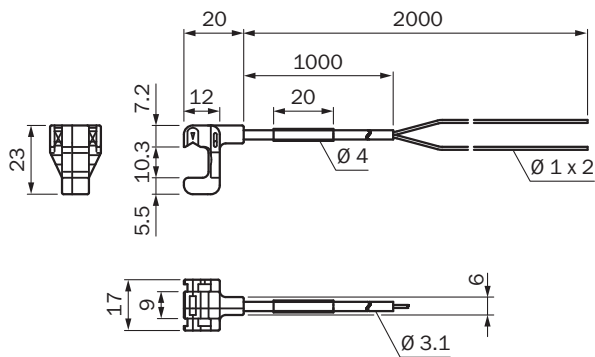
#### Classifications

<b>ECl@ss 5.0</b>	27270905
<b>ECl@ss 5.1.4</b>	27270905
<b>ECl@ss 6.0</b>	27270905
<b>ECl@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>ETIM 5.0</b>	EC002651
<b>ETIM 6.0</b>	EC002651
<b>UNSPSC 16.0901</b>	39121528

**Dimensional drawing** (Dimensions in mm (inch))

LL3-TF01



## 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)