LL3-LM37450

LL3

FIBER-OPTIC SENSORS AND FIBERS

SICK
Sensor Intelligence.
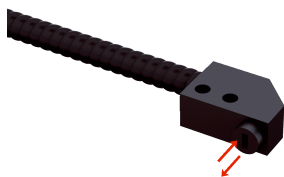
Ordering information

Type	Part no.
LL3-LM37450	2073497

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

Illustration may differ

Detailed technical data

Features

Device type	Fibers
Detection principle	Proximity system
For fiber-optic sensor	GLL170(T), WLL180T
Fiber length	450 mm
Fiber material	Stone, ceramic, glass
Jacket material	Polyvinylchlorid (PVC)
Fiber head material	Chrome-plated metal coil
Outer diameter, fiber-optic cable connection	2.2 mm
Fiber-optic head design	Flat type, 90° deflection
Fiber arrangement	Multi-fiber – linear arrangement
Core structure	Multi-fiber – linear arrangement
Bend radius, fibre-optic cable	20 mm
Angle of dispersion < 60°	No
Compatibility with infrared light (1,450 nm)	Yes
Ambient operating temperature	–10 °C … +60 °C
Highly flexible/elastic fibers (bend radius 1–4 mm)	No
Adapter end sleeves required	No
Angle of dispersion	60°
Integrated lens	No
Minimal object diameter	0.5 mm
Compatibility tip adapters	No

Classifications

ECl@ss 5.0	27270905
ECl@ss 5.1.4	27270905
ECl@ss 6.0	27270905
ECl@ss 6.2	27270905
ECl@ss 7.0	27270905
ECl@ss 8.0	27270905
ECl@ss 8.1	27270905

ECI@ss 9.0	27270905
ETIM 5.0	EC002651
ETIM 6.0	EC002651
UNSPSC 16.0901	39121528

Sensing ranges with WLL180T

Operating mode 16 µs	50 mm
Operating mode 70 µs	160 mm
Operating mode 250 µs	230 mm
Operating mode 2 ms	290 mm
Operating mode 8 ms	310 mm

Sensing ranges with GLL170

Operating mode 250 µs	84 mm

Sensing ranges with GLL170T

Operating mode 50 µs	177 mm
Operating mode 250 µs	250 mm

Dimensional drawing (Dimensions in mm (inch))

LL3-LM37450
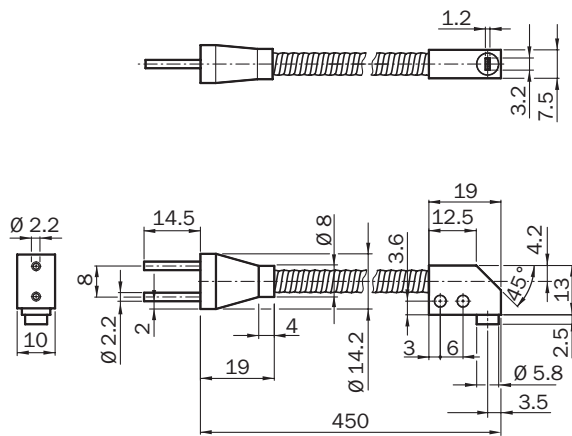
SICK AT A GLANCE

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**

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