

LL3-LM39750

LL3

FIBERS





Ordering information

Туре	Part no.
LL3-LM39750	2073506

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

Illustration may differ

Detailed technical data

Features

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Device type	Fibers, fiber suitable for WLL260
Functional principle	Through-beam system
Functional principle detail	Consisting of a sender and a receiver
For fiber-optic sensor	GLL170(T), WLL180
Fiber length	750 mm
Fiber material	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
Angle of dispersion < 60°	No
Compatibility with infrared light (1,450 nm)	Yes ¹⁾
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

 $^{^{1)}}$ Reduced sensing ranges possible when using a fiber-optic amplifier with infrared light.

Mechanics/electronics

Bend radius, fibre-optic cable	20 mm
Ambient operating temperature	-10 °C +60 °C

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	130 mm
Operating mode 70 µs	390 mm
Operating mode 250 µs	740 mm
Operating mode 2 ms	1,350 mm
Operating mode 8 ms	1,350 mm
Note	Sensing ranges related to fiber-optic sensors with type of light: visible red light

Sensing ranges with GLL170

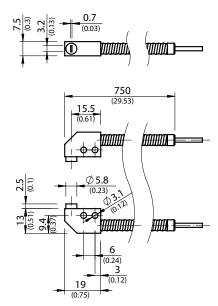
Operating mode 250 µs	270 mm

Sensing ranges with GLL170T

Operating mode 50 µs	441 mm
Operating mode 250 µs	742 mm

Dimensional drawing (Dimensions in mm (inch))

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