

LL3-LM38150

LL3

FIBERS





Ordering information

Туре	Part no.
LL3-LM38150	2073501

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

Illustration may differ

Detailed technical data

Features

Device type	Fibers
Functional principle	Through-beam system
Functional principle detail	Consisting of a sender and a receiver
For fiber-optic sensor	GLL170(T), WLL180
Fiber length	150 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	140 mm
Operating mode 70 μs	200 mm
Operating mode 250 µs	200 mm
Operating mode 2 ms	200 mm
Operating mode 8 ms	200 mm
Note	Sensing ranges related to fiber-optic sensors with type of light: visible red light

Sensing ranges with GLL170

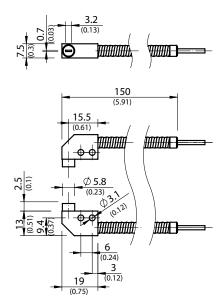
Operating mode 250 µs	190 mm
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Sensing ranges with GLL170T

Operating mode 50 µs	190 mm
Operating mode 250 µs	190 mm

Dimensional drawing (Dimensions in mm (inch))

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