

LL3-TH08S01

LL3

FIBERS





Ordering information

Туре	Part no.
LL3-TH08S01	5337056

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

Detailed technical data

Features

Device type	Fibers
Detection principle	Through-beam system (consisting of a sender and a receiver)
Fiber length	195 mm, 545 mm
Fiber material	Glass
Jacket material	Stainless steel
Fiber head material	Stainless steel
Outer diameter, fiber-optic cable connection	2.2 mm
Thread diameter (housing)	M4
Fiber arrangement	Monofiber
Core structure	Ø 1,2 mm Monofiber
Bend radius, fibre-optic cable	25 mm
Angle of dispersion < 60°	No
Compatibility with infrared light (1,450 nm)	Yes
Ambient operating temperature	-30 °C +350 °C
Diameter/thread size from 2 mm taper	≥ 2.6 mm
Length of taper	≥ 3 mm
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	0.04 mm ¹⁾
Compatibility tip adapters	Yes

 $^{^{1)}}$ Minimum detectable object was determined at optimum measuring distance and optimum setting.

Mechanics/electronics

Bend radius, fibre-optic cable	25 mm
Ambient operating temperature	-30 °C +350 °C

Classifications

ECI@ss 5.0	27270905
ECI@ss 5.1.4	27270905

ECI@ss 6.0	27270905
ECI@ss 6.2	27270905
ECI@ss 7.0	27270905
ECI@ss 8.0	27270905
ECI@ss 8.1	27270905
ECI@ss 9.0	27270905
ECI@ss 10.0	27270905
ECI@ss 11.0	27270905
ETIM 5.0	EC002651
ETIM 6.0	EC002651
ETIM 7.0	EC002651
UNSPSC 16.0901	39121528

Sensing ranges with WLL180T

Operating mode 16 µs	150 mm
Operating mode 70 μs	480 mm
Operating mode 250 μs	790 mm
Operating mode 2 ms	1,500 mm
Operating mode 8 ms	1,600 mm

Sensing ranges with GLL170

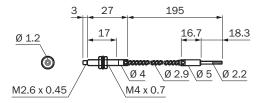
Operating mode 250 µs	560 mm
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Sensing ranges with GLL170T

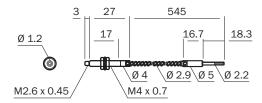
Operating mode 50 µs	470 mm
Operating mode 250 µs	680 mm

Dimensional drawing (Dimensions in mm (inch))

1 x 195 mm



1 x 545 mm



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