

LL3-DK063000

LL3

FIBERS





Ordering information

Туре	Part no.
LL3-DK063000	5338135

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

Detailed technical data

Features

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Device type	Fibers, fiber suitable for WLL260
Functional principle	Proximity system
For fiber-optic sensor	GLL170(T), WLL180, WLL24 Ex
Fiber length	3,000 mm
Fiber material	Polymethylmethacrylat (PMMA)
Jacket material	Polyethylen (PE)
Fiber head material	Stainless steel
Outer diameter, fiber-optic cable connection	2.2 mm
Fiber-optic cable cuttable	✓
Thread diameter (housing)	M6
Fiber-optic head design	Threaded sleeve
Fiber arrangement	Monofiber
Core structure	2 x Ø 1,0 mm ¹⁾ Monofiber
Angle of dispersion < 60°	No
Compatibility with infrared light (1,450 nm)	No
Diameter/thread size from 2 mm taper	≥ 4 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	0.015 mm ²⁾
Included with delivery	Mounting, 2 x M6 hexagon nut, 2 x washer, FC fiber cutter (5304141)
Compatibility tip adapters	No
Special features	Standard, compact end sleeve, maximum sensing range

 $^{^{1)}}$ C = Coaxial, S = Sender, E = Receiver.

Mechanics/electronics

Bend radius, fibre-optic cable	25 mm
Ambient operating temperature	-40 °C +70 °C

²⁾ Minimum detectable object was determined at optimum measuring distance and optimum setting.

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	90 m	
Operating mode 70 µs	270 m	
Operating mode 250 µs	370 mm	
Operating mode 2 ms	530 mm	
Operating mode 8 ms	590 mm	
Note	Sensing ranges related to fiber-optic sensors with type of light: visible red light	

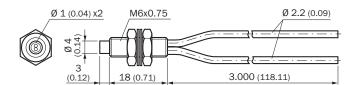
Sensing ranges with GLL170

Operating mode 250 µs	140 m
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Sensing ranges with GLL170T

Operating mode 50 µs	90 mm
Operating mode 250 μs	170 mm

Dimensional drawing (Dimensions in mm (inch))



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Recommended accessories

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

	Brief description	Туре	Part no.
Device protect	tion (mechanical)		
	Metal protection hose for LL3-Fibers with M6 threaded head; length 1000 mm, stainless steel, 1 pieces $$	BEF-LL3M61000	5331291
	Metal protection hose for LL3-Fibers with M6 threaded head; length 500 mm, stainless steel, 1 pieces $$	BEF-LL3M6500	5331290

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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."

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