



fibers
LL3, Fibers, through-beam system

LL3-TB01-30



Model Name > [LL3-TB01-30](#)
Part No. > [5315499](#)



At a glance

- Quick and easy mounting
- Models with hexagonal flange for trouble-free mounting with only one nut
- Optional tip adapter for a larger detection distance and small objects

Your benefits

- Very large selection of fiber-optic cables with plastic and glass fibers, giving users more application flexibility
- Resistant to damage caused by mechanical and chemical stress, as well as high temperatures
- Standard and customer-specific types
- Simple installation saves time
- For detection of objects, surfaces, leading edges, and fluid levels

Features

For fiber-optic sensor:	WLL160(T), WLL170-2/WLL170T-2, WLL180T, WLL190T-2
Device type:	Fibers
Jacket material:	PE
Core material:	PMMA
Sleeve material:	Stainless steel ¹⁾
Diameter, connection:	2.2 mm
Mounting sleeve dimension:	M4
Bend radius, fibre-optic cable:	30 mm
Heat resistance:	70 °C
Ambient temperature operation:	-40 °C ... 70 °C
Minimal object diameter:	0.5 mm ²⁾
Core structure:	Ø 1.5 mm
Fiber-optic cable cuttable ³⁾ :	✓
Thread sleeve:	✓
Sleeve:	-
Suitable tip adaptor:	LL3-TA01, LL3-TA02
90° offset:	-
Flat housing:	-
High flexible:	-
Long end sleeve:	-
Array:	-
High temperature:	-
Oil/chemical resistant:	-
Lcd/clear material/semiconductor:	-

Vacuum:	-
Robotics:	-
Retro-reflective:	-
Liquid level:	-
Category fiber-optic cables:	Threaded sleeve
Fiber length:	30,000 mm

1) Stainless steel 2) Minimum detectable object was determined at optimal measuring distance and optimal setting 3) FC fiber optic cable cutter included in delivery

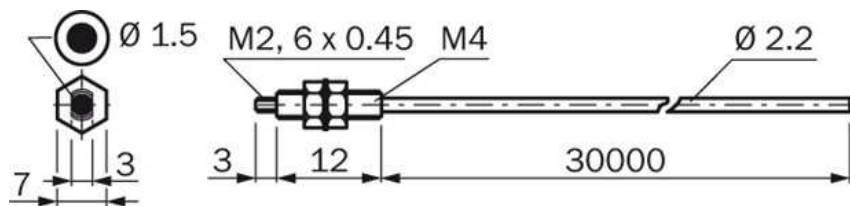
Sensing range with WLL180T

Operating mode 16 μ s:	160 mm
Operating mode 70 μ s:	450 mm
Operating mode 250 μ s:	840 mm
Operating mode 2 ms:	1,700 mm
Operating mode 8 ms:	2,800 mm

Sensing range with WLL170-2

Redlight 250 μ s:	290 mm
Greenlight 250 μ s:	180 mm
Highspeed 50 μ s:	110 mm

Dimensional drawing



All dimensions in mm

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