



fibers LL3, Fibers, through-beam system

LL3-TR13



Model Name > [LL3-TR13](#)
Part No. > [5325909](#)



At a glance

- Easy mounting
- Flush mounting in a single slot
- Background effects are minimized

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:	PC
Diameter, connection:	1.3 mm
Mounting sleeve dimension:	12 x 8,5 x 3 mm
Bend radius, fibre-optic cable:	1 mm
Heat resistance:	60 °C
Ambient operating temperature:	-40 °C ... 60 °C
Minimal object diameter:	0.04 mm ¹⁾
Core structure:	151 x 0.075 mm
Fiber-optic cable cuttable ²⁾ :	✓
Thread sleeve:	-
Sleeve:	-
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:	Flat type, Flexible fiber-optic cable
Fiber length:	2,000 mm

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

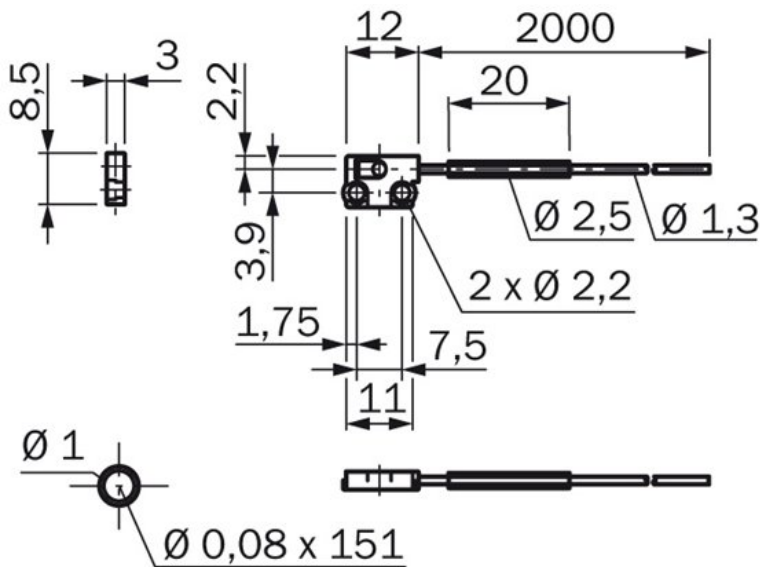
Sensing range with WLL180T

Operating mode 16 µs:	250 mm
Operating mode 70 µs:	730 mm
Operating mode 250 µs:	1,280 mm
Operating mode 2 ms:	2,560 mm
Operating mode 8 ms:	2,730 mm

Sensing range with WLL170-2

Redlight 250 µs:	600 mm
Greenlight 250 µs:	400 mm
Highspeed 50 µs:	300 mm

Dimensional drawing



Alle Maße in mm

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