



fibers
LL3, Fibers, proximity system

LL3-RR01



Model Name > [LL3-RR01](#)
Part No. > [5326008](#)



At a glance

- Detection of transparent objects
- Detection regardless of angles
- Integrated polarizing filter

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:	WLL170-2/WLL170T-2, WLL180T, WLL190T-2
Device type:	Fibers
Jacket material:	PE
Core material:	PMMA
Sleeve material:	ABS
Diameter, connection:	2.2 mm
Mounting sleeve dimension:	15 x 9,5 x 5,2 mm
Bend radius, fibre-optic cable:	1 mm
Heat resistance:	55 °C
Ambient operating temperature:	-25 °C ... 55 °C
Minimal object diameter:	0.3 mm ¹⁾
Core structure:	S : 151 x 0.05 mm R : 151 x 0.05 mm ²⁾
Fiber-optic cable cuttable ³⁾ :	✓
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:	Retro-reflective
Fiber length:	2,000 mm

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

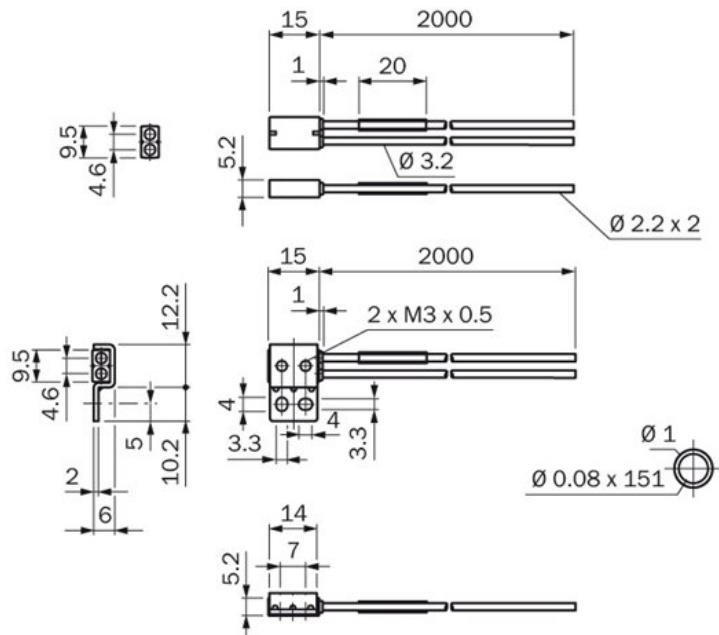
Sensing range with WLL180T

Operating mode 16 µs:	290 mm
Operating mode 70 µs:	580 mm
Operating mode 250 µs:	720 mm
Operating mode 2 ms:	1,450 mm
Operating mode 8 ms:	1,550 mm

Sensing range with WLL170-2

Redlight 250 µs:	650 mm
Greenlight 250 µs:	180 mm
Highspeed 50 µs:	250 mm

Dimensional drawing



All dimensions in mm

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