



fibers
LL3, Fibers, proximity system

LL3-RB01



Model Name > [LL3-RB01](#)
Part No. > [5326010](#)



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:	1 mm
Mounting sleeve dimension:	21 x 9,5 x 5,2 mm
Bend radius, fibre-optic cable:	10 mm
Heat resistance:	60 °C
Ambient temperature operation:	-40 °C ... 60 °C
Minimal object diameter:	0.06 mm ¹⁾
Core structure:	2 x 0.5 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:	Retro-reflective
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

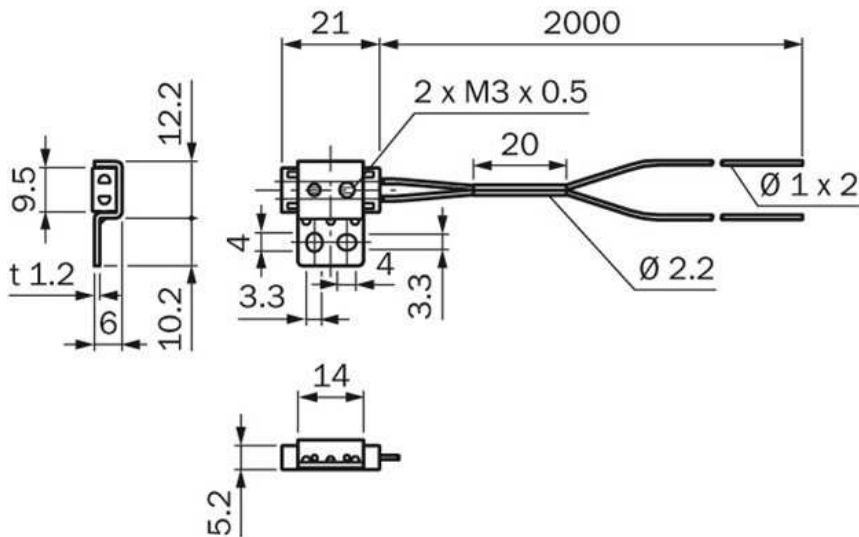
Sensing range with WLL180T

Operating mode 16 μ s:	105 mm
Operating mode 70 μ s:	190 mm
Operating mode 250 μ s:	230 mm
Operating mode 2 ms:	460 mm
Operating mode 8 ms:	490 mm

Sensing range with WLL170-2

Redlight 250 μ s:	220 mm
Greenlight 250 μ s:	65 mm
Highspeed 50 μ s:	80 mm

Dimensional drawing



All dimensions in mm

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