



fibers  
LL3, Fibers, proximity system

LL3-DZ01



**Model Name** > [LL3-DZ01](#)  
**Part No.** > [5326013](#)



**At a glance**

- Detection of objects with various shapes
- Detection of objects whose position constantly changes, e.g., free-falling objects
- Front-edge detection

**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:	WLL180T, WLL190T-2
Device type:	Fibers
Jacket material:	PE
Core material:	PMMA
Sleeve material:	PC
Diameter, connection:	2.2 mm
Mounting sleeve dimension:	28 x 15 x 7 mm
Bend radius, fibre-optic cable:	25 mm
Heat resistance:	60 °C
Ambient temperature operation:	-40 °C ... 60 °C
Minimal object diameter:	0.02 mm <sup>1)</sup>
Core structure:	S : 1.0 mm R : 16 x 0.265 mm
Fiber-optic cable cuttable <sup>2)</sup> :	✓
Thread sleeve:	-
Sleeve:	-
90° offset:	-
Flat housing:	-
High flexible:	-
Long end sleeve:	-
Array:	✓
High temperature:	-
Oil/chemical resistant:	-
Lcd/clear material/semiconductor:	-
Vacuum:	-

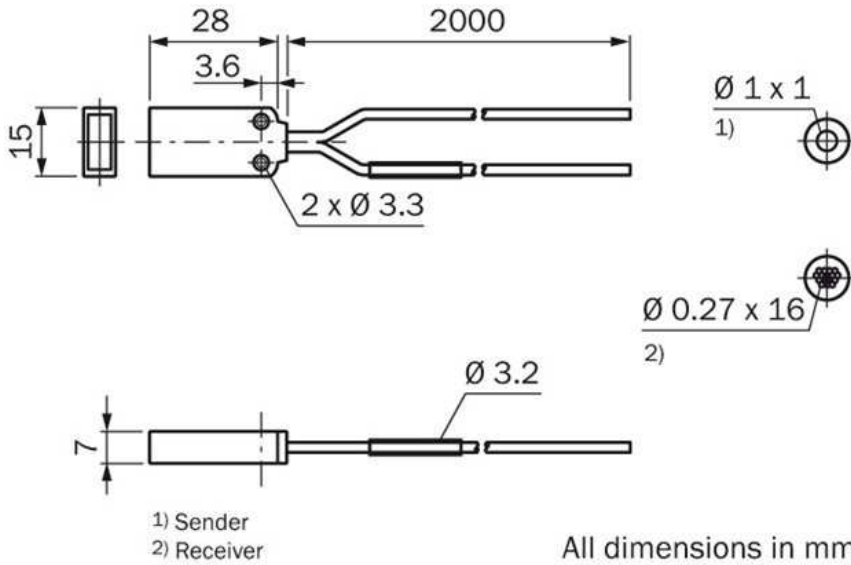
Robotics:	-
Retro-reflective:	-
Liquid level:	-
Category fiber-optic cables:	Area detection
Fiber length:	2,000 mm

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 $\mu$ s:	65 mm
Operating mode 70 $\mu$ s:	240 mm
Operating mode 250 $\mu$ s:	320 mm
Operating mode 2 ms:	650 mm
Operating mode 8 ms:	690 mm

### Dimensional drawing



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