



fibers
LL3, Fibers, proximity system

LL3-DC39



Model Name > [LL3-DC39](#)
Part No. > [5322513](#)



At a glance

- Detection of glass substrates
- Detection of solar wafers
- Indexation in FOUP for example

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
Diameter, connection:	1 mm
Mounting sleeve dimension:	18 x 12 x 4.3
Bend radius, fibre-optic cable:	10 mm
Heat resistance:	50 °C
Ambient temperature operation:	-40 °C ... 50 °C
Minimal object diameter:	0.02 mm ¹⁾
Core structure:	2 x : Ø 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: Flat type, LCDs/transparent objects/semiconductors
 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

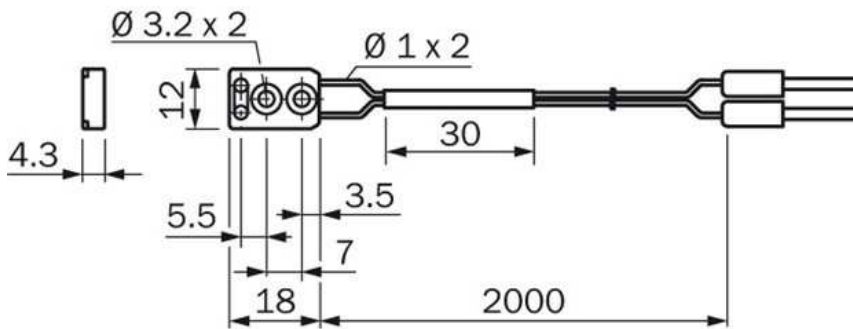
Sensing range with WLL180T

Operating mode 70 µs:	4 mm
Operating mode 250 µs:	4 mm
Operating mode 2 ms:	4 mm
Operating mode 8 ms:	4 mm

Sensing range with WLL170-2

Redlight 250 µs:	5 mm
Greenlight 250 µs:	4 mm
Highspeed 50 µs:	4 mm

Dimensional drawing



All dimensions in mm

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