



# LFT1100-01B0C40

LFT

LEVEL SENSORS

**SICK**  
Sensor Intelligence.



Illustration may differ

### Ordering information

Type	part no.
LFT1100-01B0C40	1048246

Other models and accessories → [www.sick.com/LFT](http://www.sick.com/LFT)

### Detailed technical data

#### Features

<b>Medium</b>	Fluids
<b>Measurement</b>	Switch, Continuous
<b>Probe length</b>	1,100 mm
<b>Process pressure</b>	$\geq \leq 1$ bar
<b>Process temperature</b>	0 °C ... +80 °C

#### Performance

<b>Accuracy of sensor element</b>	$\pm 3$ mm
<b>Reproducibility</b>	$\leq 2$ mm
<b>Resolution</b>	$\leq 1$ mm
<b>Response time</b>	200 ms
<b>Dielectricity constant</b>	1.8

#### Electronics

<b>Supply voltage</b>	18 V DC ... 30 V DC
<b>Residual ripple</b>	$\leq 5 V_{pp}$
<b>Power consumption</b>	$\leq 90$ mA at 24 V DC without output load
<b>Initialization time</b>	$\leq 4$ s
<b>Protection class</b>	III
<b>Connection type</b>	M12 round connector x 1, 8-pin
<b>Output signal</b>	4x PNP
<b>Hysteresis</b>	3 mm
<b>Inductive load</b>	$\leq 1$ H
<b>Capacitive load</b>	$< 100$ nF
<b>Enclosure rating</b>	IP67
<b>Temperature drift</b>	$\pm 0.05$ mm/K

#### Mechanics

<b>Wetted parts</b>	Stainless steel 316L / 301, PBT, PTFE
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<b>Process connection</b>	G ¾ A
<b>Inactive area</b>	Each 10 mm
<b>Housing material</b>	PBT

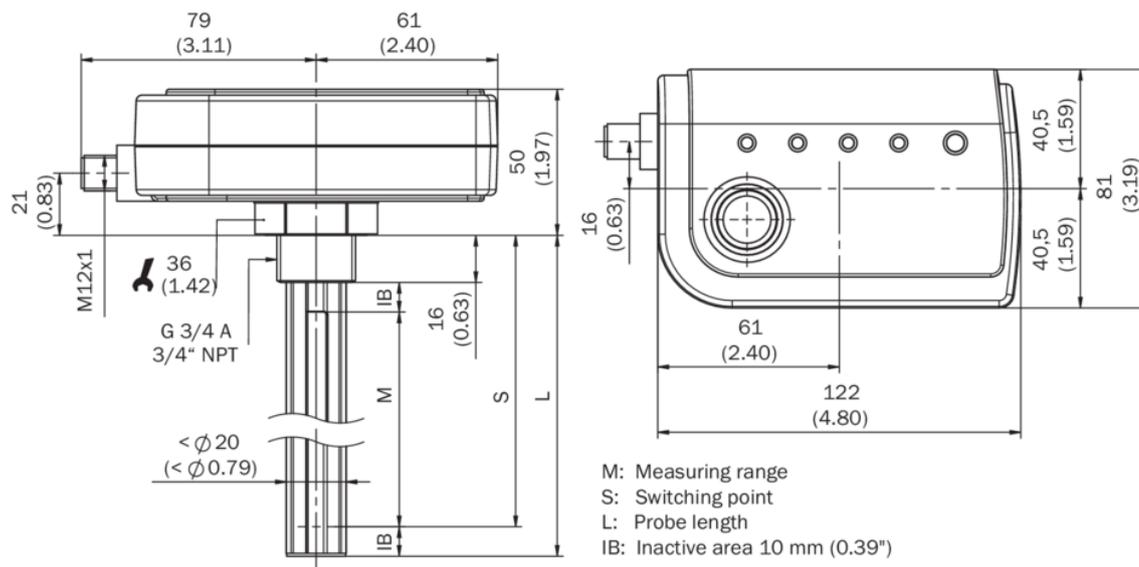
Ambient data

<b>Ambient operating temperature</b>	-10 °C ... +60 °C
<b>Ambient temperature, storage</b>	-40 °C ... +80 °C

Classifications

<b>ECLASS 5.0</b>	27200513
<b>ECLASS 5.1.4</b>	27200513
<b>ECLASS 6.0</b>	27200513
<b>ECLASS 6.2</b>	27200513
<b>ECLASS 7.0</b>	27200513
<b>ECLASS 8.0</b>	27200513
<b>ECLASS 8.1</b>	27200513
<b>ECLASS 9.0</b>	27200513
<b>ECLASS 10.0</b>	27200513
<b>ECLASS 11.0</b>	27200513
<b>ECLASS 12.0</b>	27200513
<b>ETIM 5.0</b>	EC001447
<b>ETIM 6.0</b>	EC001447
<b>ETIM 7.0</b>	EC001447
<b>ETIM 8.0</b>	EC001447
<b>UNSPSC 16.0901</b>	41113710

Dimensional drawing



Dimensions in mm (inch)

## SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

## WORLDWIDE PRESENCE:

Contacts and other locations –[www.sick.com](http://www.sick.com)