VLL18T-4P3212

SICK
Sensor Intelligence.

VLL18T-4P3212

Ordering information

Type	Part no.
VLL18T-4P3212	6026482

Other models and accessories ➔ www.sick.com/

Illustration may differ

Detailed technical data

Features

Dimensions (W x H x D)	75 mm
Housing design (light emission)	Rectangular
Sensing range max.	0 mm ... 50 mm [1]
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Type of light	Visible red light
Light source	LED
Adjustment	Potentiometer

[1] Object with 90% remission (based on standard white, DIN 5033).

Mechanics/electronics

Supply voltage	10 V DC ... 30 V DC
Ripple	± 10 %
Current consumption	20 mA [1]
Switching output	PNP
Switching mode	Light/dark switching
Switching mode selector	Manually selectable
Response time	≤ 625 µs [2]
Connection type	Cable, 2 m [3]
Cable material	PVC
Conductor cross section	0.34 mm²
Cable diameter	Ø 4.7 mm
Housing material	Metal, Brass nickel-plated, plastic
Optics material	Plastic, PMMA

[1] Without load.
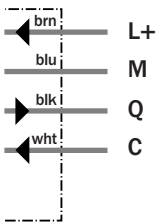[2] Signal transit time with resistive load.
[3] Do not bend below 0 °C.

Enclosure rating	IP67
Ambient operating temperature	−25 °C ... +70 °C
Ambient temperature, storage	−25 °C ... +70 °C

[1] Without load.

[2] Signal transit time with resistive load.
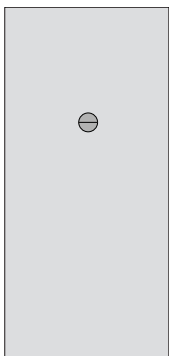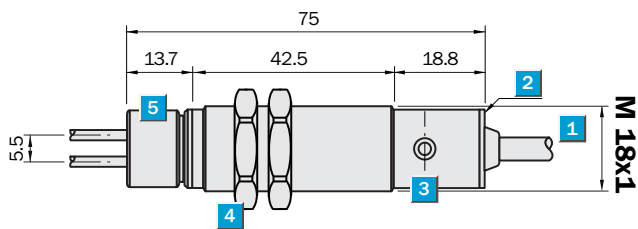
[3] Do not bend below 0 °C.

Connection type
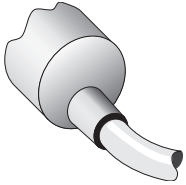
Connection diagram

brn	L+
blu	M
blk	Q
wht	C

Adjustments

Dimensional drawing (Dimensions in mm (inch))

① Cable or connector M12, 4-pin
② Yellow LED indicator:- lights continuously:Reception signal> reserve factor 2- blinks: Reception signal< reserve factor 2 but > switching threshold 1
③ Sensitivity setting: single teach-in button
④ Fastening nuts (2x); width across 24, metal
⑤ Interlocking nut, fiber assembly: Rotate left: unlock, rotate right: lock, push in LL-3 fibers as far as the stop. warning: Only unscrew the nut, do not remove it. IP protection only with adapted fibers

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:

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