



Photoelectric sensors
Photoelectric retro-reflective sensor

VL18L-3P344



Model Name > VL18L-3P344
Part No. > 6027597



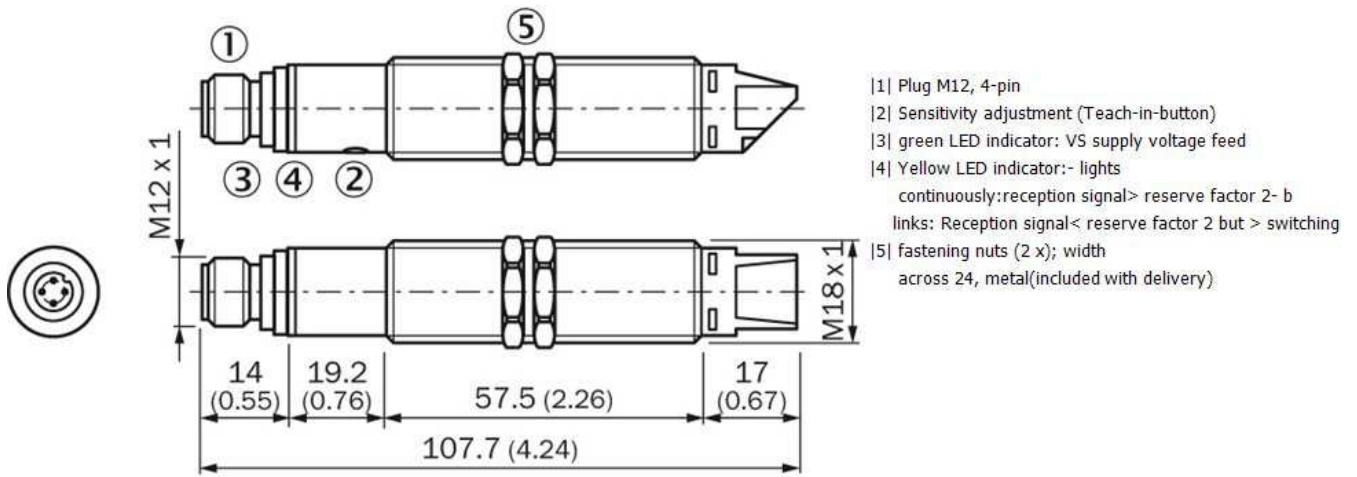
Product features

Sensing range min ... max::	0.1 m ... 30 m, 0.1 m ... 35 m
Type of light:	Laser, red light
Light spot diameter:	Approx. 9 mm at 35 m distance
Laser:	Laser, red light
Sensing range max.:	0.1 m ... 30 m, 0.1 m ... 35 m
Wave length:	650 nm
Optical axis:	radial

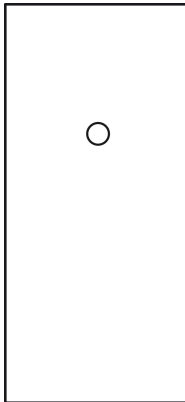
Technical data

Design::	Cylinder with thread
Dimensions (W x H x D):	107.7 mm
Supply voltage min ... max::	DC 10 ... 30 V
Ripple:	≤ 10 %
Power consumption:	≤ 20 mA
Output type:	PNP, Q
Switching mode:	Dark-switching
Output current max.:	≤ 100 mA
Response time::	≤ 0.625 ms
Switching frequency:	800 Hz
Connection type:	Connector, M12, 4-pin
Circuit protection:	V _S connections reverse-polarity protected/In-/outputs short-circuit protected/Interference suppression/Outputs overcurrent and short-circuit protected
Enclosure rating::	IP 67
Ambient operation temperature, min ... max::	-15 °C ... +55 °C
Ambient storage temperature, min ... max:	-25 °C ... +70 °C
Housing material:	Brass nickel-plated, plastic
Series:	V18 Laser
Optics material:	PC with protective glass pane
Thread size:	M18 x 1

Dimensional drawing



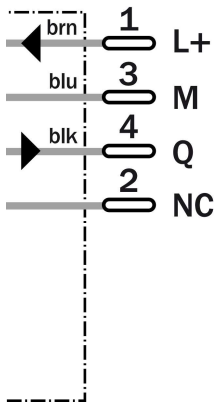
Adjustment possible



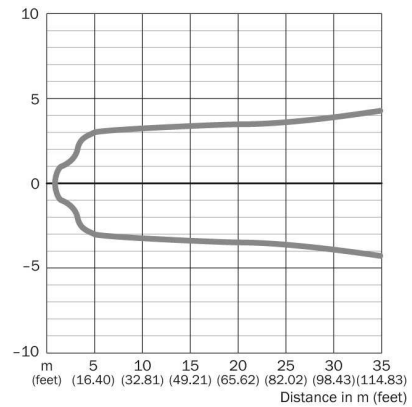
Connection type



Connection diagram



Light spot diameter



Australia

Phone +61 3 9457 0600
1800 33 48 02 – tollfree
E-Mail sales@sick.com.au

Belgium/Luxembourg

Phone +32 (0)2 466 55 66
E-Mail info@sick.be

Brasil

Phone +55 11 3215-4900
E-Mail marketing@sick.com.br

Canada

Phone +1 905 771 14 44
E-Mail information@sick.com

Česká republika

Phone +420 2 57 91 18 50
E-Mail sick@sick.cz

China

Phone +86 4000 121 000
E-Mail info.china@sick.net.cn
Phone +852-2153 6300
E-Mail ghk@sick.com.hk

Danmark

Phone +45 45 82 64 00
E-Mail sick@sick.dk

Deutschland

Phone +49 211 5301-301
E-Mail info@sick.de

España

Phone +34 93 480 31 00
E-Mail info@sick.es

France

Phone +33 1 64 62 35 00
E-Mail info@sick.fr

Great Britain

Phone +44 (0)1727 831121
E-Mail info@sick.co.uk

India

Phone +91-22-4033 8333
E-Mail info@sick-india.com

Israel

Phone +972-4-6881000
E-Mail info@sick-sensors.com

Italia

Phone +39 02 27 43 41
E-Mail info@sick.it

Japan

Phone +81 (0)3 5309 2112
E-Mail support@sick.jp

Magyarország

Phone +36 1 371 2680
E-Mail office@sick.hu

Nederland

Phone +31 (0)30 229 25 44
E-Mail info@sick.nl

Norge

Phone +47 67 81 50 00
E-Mail sick@sick.no

Österreich

Phone +43 (0)22 36 62 28 8-0
E-Mail office@sick.at

Polska

Phone +48 22 837 40 50
E-Mail info@sick.pl

România

Phone +40 356 171 120
E-Mail office@sick.ro

Russia

Phone +7-495-775-05-30
E-Mail info@sick.ru

Schweiz

Phone +41 41 619 29 39
E-Mail contact@sick.ch

Singapore

Phone +65 6744 3732
E-Mail sales.gsg@sick.com

Slovenija

Phone +386 (0)1-47 69 990
E-Mail office@sick.si

South Africa

Phone +27 11 472 3733
E-Mail info@sickautomation.co.za

South Korea

Phone +82 2 786 6321/4
E-Mail info@sickkorea.net

Suomi

Phone +358-9-25 15 800
E-Mail sick@sick.fi

Sverige

Phone +46 10 110 10 00
E-Mail info@sick.se

Taiwan

Phone +886 2 2375-6288
E-Mail sales@sick.com.tw

Türkiye

Phone +90 (216) 528 50 00
E-Mail info@sick.com.tr

United Arab Emirates

Phone +971 (0) 4 88 65 878
E-Mail info@sick.ae

USA/México

Phone +1(952) 941-6780
1 (800) 325-7425 – tollfree
E-Mail info@sickusa.com

More representatives and agencies
at www.sick.com