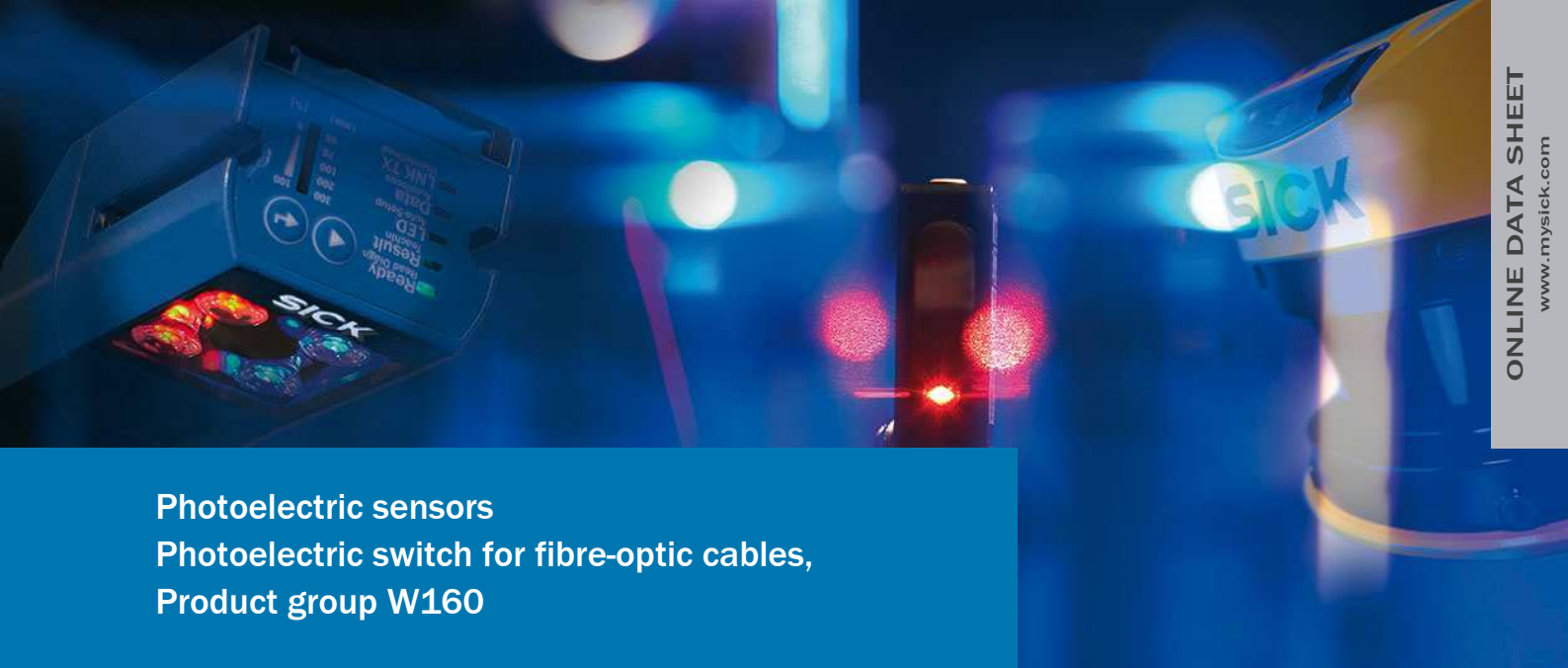




Photoelectric sensors
Photoelectric switch for fibre-optic cables,
Product group W160

WLL160-F420



Model Name > [WLL160-F420](#)
Part No. > [6009990](#)



- Sensitivity setting with potentiometer, scaled
- Large selection of LL3 fiber-optic cables
- Switch-off delay 0 to 100 ms
- Contamination control output and test input for equipment and system testing

The product has been discontinued. Please follow the "replacement product" link for information about alternative products.



Product features

Light source::	LED
Type of light:	Red light
Light spot diameter:	Depending on the scanning range
Wave length:	660 nm
Sensing range min ... max (through-beam system):	0 mm ... 2,000 mm
Fibre-optic cable (through-beam system):	LL3-TB02 and tip adapter LL3-TA01
Sensing range min ... max (proximity system):	0 mm ... 70 mm
Fibre-optic cable (proximity system):	LL3-DB01

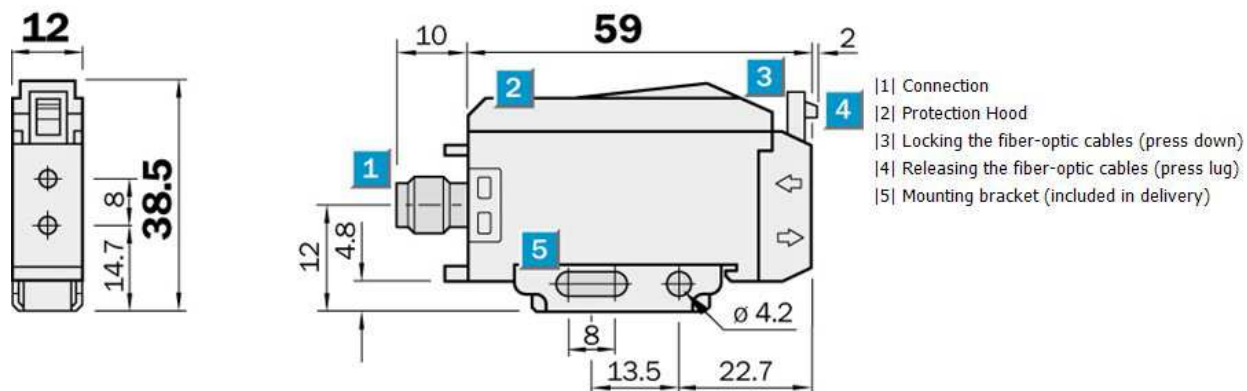
Technical data

Design::	Rectangular
Dimensions (W x H x D):	12 mm x 38.5 mm x 59 mm
Supply voltage min ... max::	DC 10 ... 30 V ¹⁾
Ripple:	± 10 %
Power consumption:	≤ 30 mA
Output type:	PNP: open collector: Q
Switching mode:	Light-/dark-switching via slide switch
Output current max.:	100 mA
Response time::	≤ 0.35 ms
Switching frequency:	1,500 Hz
Connection type:	Connector, M8, 4-pin
Circuit protection:	V connections reverse-polarity protected/In-/outputs short-circuit protected/Interference suppression/Outputs overcurrent and short-circuit protected
Enclosure rating::	IP 66
Ambient operation temperature, min ... max::	-25 °C ... ++55 °C
Ambient storage temperature, min ... max:	-40 °C ... ++70 °C

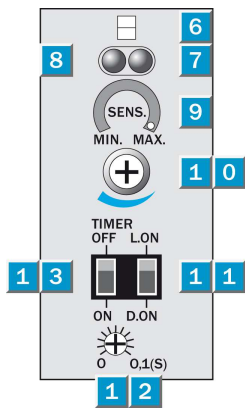
Weight:	Ca. 30 g
Housing material:	ABS
Angle of dispersion:	Ca. 65 °
Series:	W160
Time delay:	Selectable, via slide switch
Time type:	Switch-off delay TOFF 0 ... 100 ms
Front screen heating:	-
Polarisation filter:	-
Alarm output:	-
UL File No.:	NRNT2.E128350 & NRNT8.E128350

1) Limit values, reverse-polarity protected operation in short-circuit protected network max. 8 A

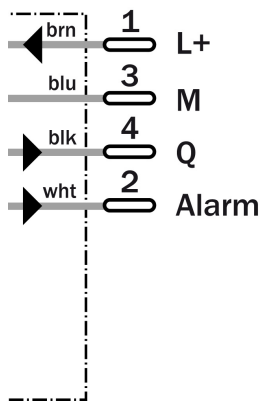
Masszeichnung



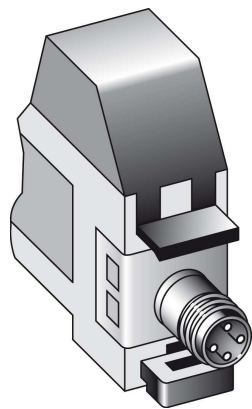
Einstell-Möglichkeiten



Anschluss-Schema



Anschlussart



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