



Czujniki widelkowe WFM

WFM180-120N311



Nazwa modelu > **WFM180-120N311**

Numer części > **6037839**



Produkt może różnić się od ilustracji

At a glance

- Highly visible red emitted light
- No setup, out-of-the-box operation
- 360° output indicator
- 5 fork sizes: maximum depth 120 mm, maximum width 180 mm
- Rugged, IP 67 aluminum housing

Your benefits

- Fixed housings guarantee a high level of operational safety with simple commissioning
- A visible red light enables easy alignment and fast adjustment
- The 360-degree yellow output indicator makes continual process control possible
- A wide range of different fork sizes increases installation flexibility
- The aluminum housing meets all requirements for use in harsh industrial conditions



Cechy

Sposób działania:	Optical detection principle
Fork width:	180 mm
Fork depth:	124 mm
Label detection:	-
Nadajnik światła:	LED
Rodzaj światła:	Widzialne światło czerwone
Nastawa:	None
Tryb przełączania:	Przełączanie na jasnym
Housing design (light emission):	Fork shaped
Minimum detectable object (MDO):	1 mm

Mechanika/elektronika

Tętnienia resztkowe ¹⁾ :	< 10 %
Pobór prądu ²⁾ :	< 20 mA
Switching frequency ³⁾ :	4 kHz
Czas reakcji ⁴⁾ :	125 µs
Stability of response time:	± 15 µs
Wyjście przełączające:	NPN: HIGH = approx. VS/LOW ≤ 1.5 V PNP: HIGH = VS - ≤ 1.5 V/LOW = 0 V
Tryb przełączania:	NPN
Output current I _{max} ..:	100 mA

Initialization time:

Sposób przyłączenia:

Klasa ochronności⁵⁾:

Układ zabezpieczenia:

Rodzaj zabezpieczenia:

Ciężar:

Housing material:

Napięcie zasilania:

Bezpieczna jasność otoczenia:

Fieldbus interface:

140 ms

Connector M8, 3-pin

III

Vs connections reverse-polarity protected
Wyjście Q zabezpieczone przed zwarciami
Tłumienie interferencji

IP 67

Ca. 80 g ... 190 g⁶⁾

Aluminium, Metal

10 V DC ... 30 V DC⁷⁾

Sunlight: ≤ 10.000 klx

-

1) May not exceed or fall short of V_S tolerances

2) Bez obciążenia

3) With light/dark ratio 1:1

4) Signal transit time with resistive load

5) Reference voltage DC 50 V

6)

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

Dane otoczenia

Obciążenie uderzeniowe:

UL File No.:

Ambient operating temperature:

Ambient storage temperature:

According to EN 60068-2-27

NRKH.E191603 & NRKH7.E191603

-10 °C ... +60 °C¹⁾

-40 °C ... +80 °C

1) Do not bend below 0 °C

Rysunek techniczny

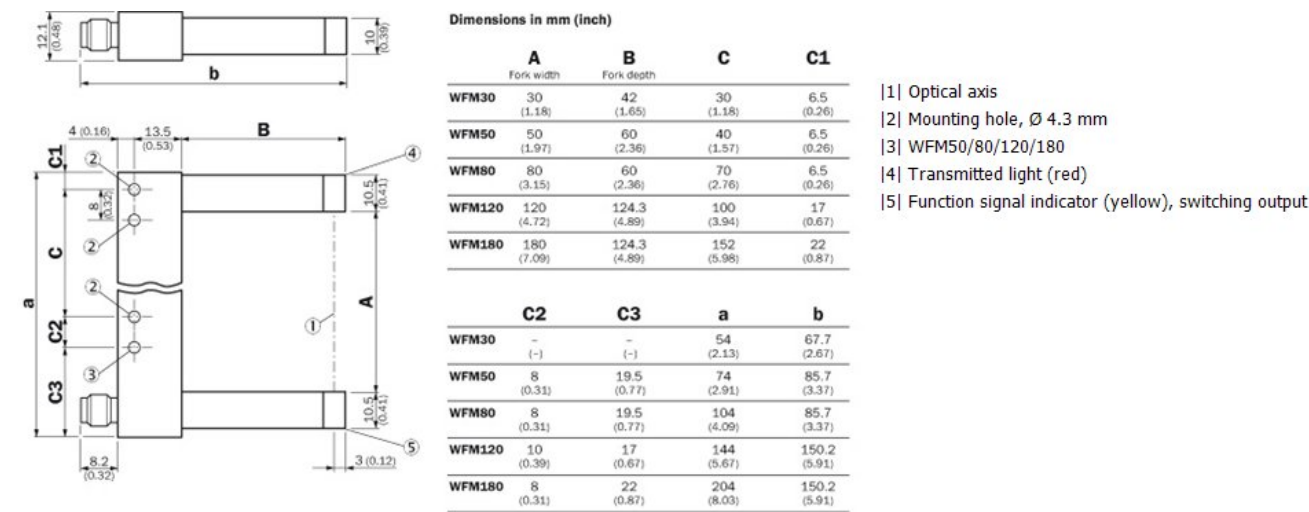
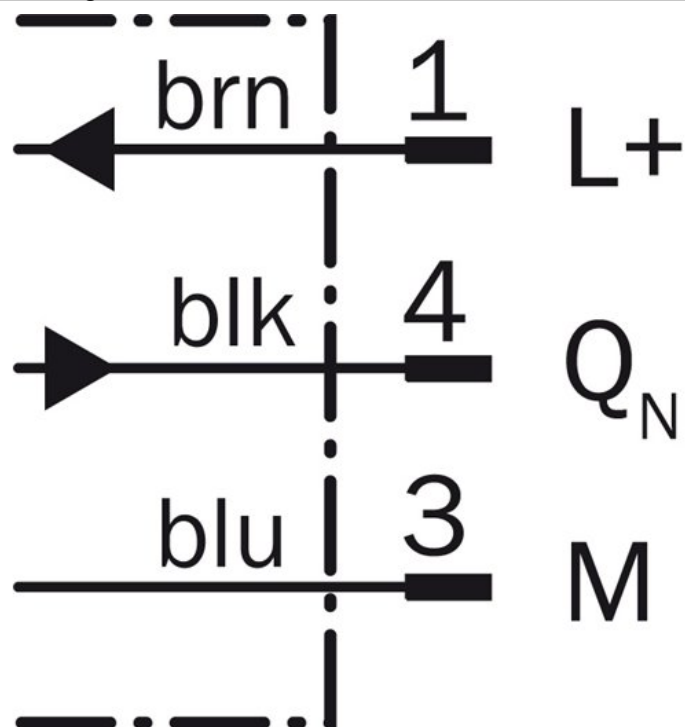


Image Unavailable
f:\Saqqara\im0057233.jpg

Connection diagram



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