



Czujniki widelkowe WFM

WFM180-120N321



Nazwa modelu > **WFM180-120N321**

Numer części > **6037838**



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:	Dark switching
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

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- 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

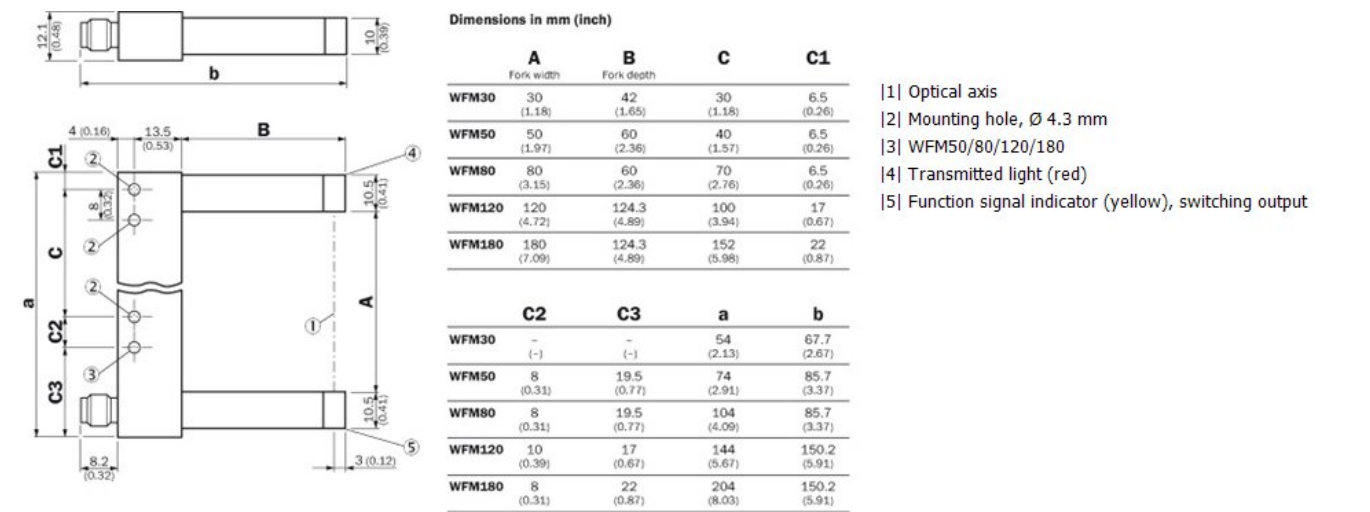
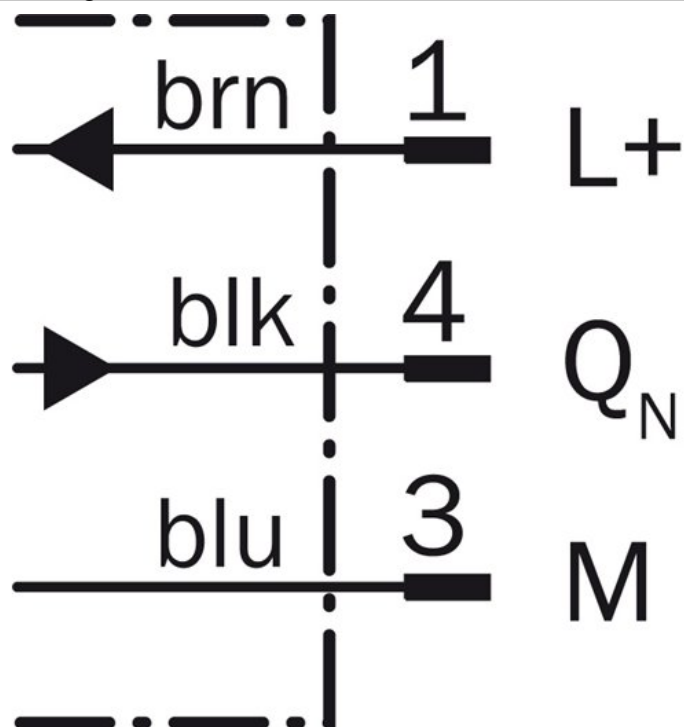


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Connection diagram



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