

Fork Sensors WF

WF2-40B410



Nazwa modelu > **WF2-40B410**

Numer części > **6028428**

At a glance

- Infrared light source
- Adjustment via teach-in or manually via +/- buttons
- Light/dark switching output
- PNP and NPN switching output
- Fast response time (max. 100 µs)
- 21 different models with different fork widths and depths
- Rugged, IP 65 aluminum housing

Your benefits

- Fast response time and fine resolution ensure reliable detection even at high speeds
- Infrared light source provides excellent ambient light immunity
- User friendly setting via teach-in or +/- button
- A wide range of different fork sizes enables flexible installation
- The aluminum housing meets all requirements for use in harsh industrial conditions



!Features!

Sposób działania:	Optical detection principle
Fork width:	2 mm
Fork depth:	42 mm
MDO:	0,2 mm (Minimum detectable object)
Label detection:	✓
Nadajnik światła:	LED, infrared modulated
Rodzaj światła:	Infrared

!Mechanics/electronics!

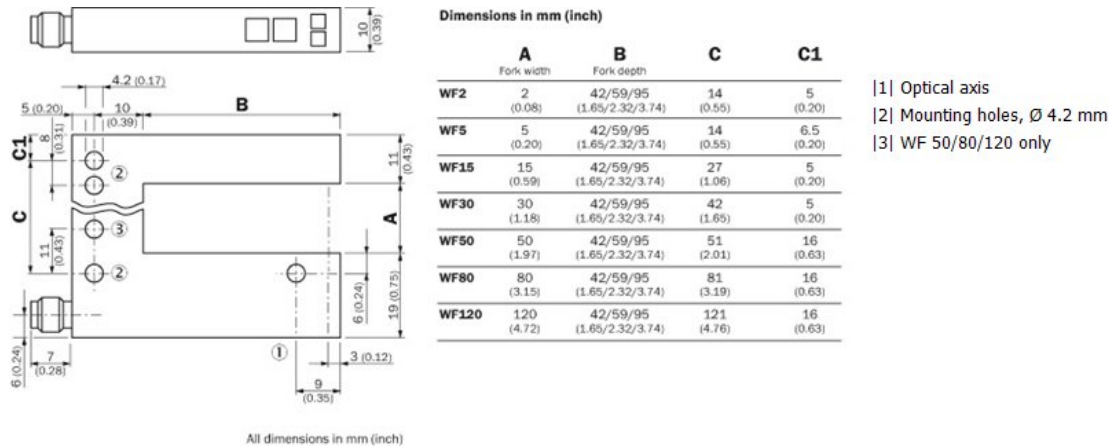
Napięcie zasilania VS:	10 V ... 30 V
Tętnienia resztkowe:	< 10 % (May not exceed or fall short of V_S tolerances)
Pobór prądu:	40 mA (bez obciążenia)
Wyjście przełączające:	NPN: HIGH = approx. VS / LOW = < 2 V PNP: HIGH = VS - < 2 V / LOW approx. 0 V
Tryb przełączania:	PNP/NPN
Switching frequency:	10 kHz (With light/dark ratio 1:1, no time delay)
Czas reakcji:	100 µs (Signal transit time with resistive load)
Stability of response time:	± 20 µs

Tryb przełączania:	Light-/dark-switching, selectable via button
Initialisation time:	100 ms
Sposób przyłączenia:	Złącze M8, 4-pinowe
Ambient light safety:	incandescent lamp: 5.000 lx Sunlight: 10.000 lx
VDE protection class:	III (Reference voltage 50 V DC)
Układ zabezpieczenia:	A = VS connections reverse-polarity protected Wyjście Q zabezpieczone przed zwarciami Tłumienie interferencji
Rodzaj zabezpieczenia:	IP 65
Ciężar:	ca. 36 g ... 160 g
Housing material:	ABS
Output current I _{max} :	100 mA
Teach-in:	0

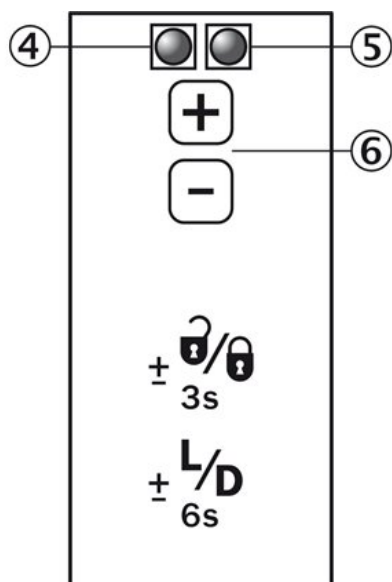
!Ambient data!

Ambient temperature:	Operation: -20 ... 60 °C Storage area: -30 ... 80 °C (Do not bend below 0 °C)
----------------------	---

Rysunek techniczny

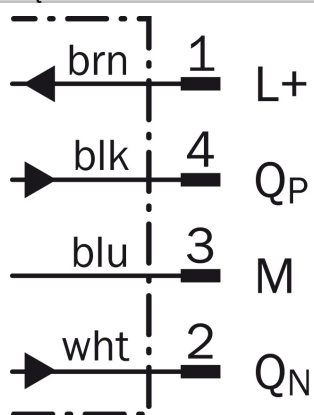


Adjustments



- |4| Function indicator (red)
- |5| Function indicator (yellow), switching output
- |6| "+" "-" buttons and function button

Schemat połączenia



Australia

Phone +61 3 9497 4100
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 sac@sick.com.br

Ceská Republika

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

China

Phone +852-2763 6966
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 kundenservice@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 +972-4-999-0590
E-Mail info@sick-sensors.com

Italia

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

Japan

Phone +81 (0)3 3358 1341
E-Mail support@sick.jp

Nederlands

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

Norge

Phone +47 67 81 50 00
E-Mail austefjord@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

Republic of Korea

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

Republika Slovenija

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

România

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

Russia

Phone +7 495 775 05 34
E-Mail info@sick-automation.ru

Schweiz

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

Singapore

Phone +65 6744 3732
E-Mail admin@sicksgp.com.sg

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 +90 216 587 74 00
E-Mail info@sick.com.tr

United Arab Emirates

Phone +971 4 8865 878
E-Mail info@sick.ae

USA/Canada/México

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

More representatives and agencies
in all major industrial nations at
www.sick.com