To be a second s







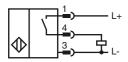
Model Number

NRB4-12GM40-E2-C-V1-EXG

Features

- 4 mm flush
- Reduction factor = 1
- **Weld Immune**
- Magnetic field resistant

Connection



Pinout



Wire colors in accordance with EN 60947-5-2

1	BN	(brown)
2	WH	(white)
3	BU	(blue)
1	RK	(black)

Accessories

BF 12

Mounting flange, 12 mm

V1-G

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date:

4-pin, M12 female field-attachable connector

V1-W

4-pin, M12 female field-attachable connector

V1-G-2M-PUR

Cable socket, M12, 4-pin, PUR cable V1-W-2M-PUR

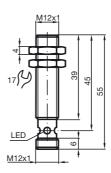
www.pepperl-fuchs.com

Cable socket, M12, 4-pin, PUR cable

Release EXG-12 Quick mounting bracket with dead stop

Subject to modifications without notice

Dimensions



Technical Data

General	enecifi	ication	c

acticiai specifications		
Switching element function		PNP NO
Rated operating distance	s _n	4 mm (see note)
Installation		flush
Output polarity		switched high
Assured operating distance	sa	0 3.24 mm Only for use in mounting aid EXG-12
Reduction factor r _{Al}		1
Reduction factor r _{Cu}		1
Reduction factor r ₃₀₄		1
Reduction factor r _{St37}		1
Nominal ratings		

	Reduction factor r _{St37}		1		
Nominal ratings					
	Operating voltage	U _B	10 30 V		
	Switching frequency	f	0 2000 Hz		
	Hysteresis	Н	typ. 5 %		
	Reverse polarity protected		reverse polarity protected		
	Short-circuit protection		pulsing		
	Voltage drop	U _d	≤ 3 V		
	Rated insulation voltage	U _{BIS}	60 V		
	Operating current	IL .	0 200 mA		
	Off-state current	l _r	0 0.5 mA typ. 0.1 μA at 25 °C		
	No-load supply current	I ₀	≤ 12 mA		
	Constant magnetic field	В	200 mT		
	Alternating magnetic field	В	200 mT		
	Indication of the switching state		Multihole-LED, yellow		

Functional safety related parameters

MTTF_d
Mission Time (T_M) 1750 a 20 a Diagnostic Coverage (DC) 0 %

Ambient conditions Ambient temperature

-25 ... 70 °C (-13 ... 158 °F) -40 ... 85 °C (-40 ... 185 °F) Storage temperature

Mechanical specifications

Connection type Device connector M12 x 1, 4-pin Housing material brass, PTFE coated Ryton R4 Sensing face Protection degree IP67

Only for use in mounting aid EXG-12 Note

Compliance with standards and directives

Standard conformity FN 60947-5-2:2007 Standards IEC 60947-5-2:2007

Approvals and certificates

Germany: +49 621 776-4411

fa-info@pepperl-fuchs.com

Protection class Rated insulation voltage Ui 60 V Design-impulse-voltage with stand U_{imp} 800 V UL approval cULus Listed, General Purpose CSA approval cCSAus Listed, General Purpose CCC approval Products with a maximum operating voltage of ≤36 V do not bear a

CCC marking because they do not require approval.