







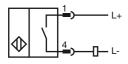
Model Number

NCB4-12GM40-Z4-V1

Features

- 4 mm embeddable
- 2-wire DC
- Increased operating distance

Connection



Pinout



Wire colors in accordance with EN 60947-5-2

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

Accessories

BF 12

Mounting flange, 12 mm EXG-12

Quick mounting bracket with dead stop

V1-W

4-pin, M12 female field-attachable connector

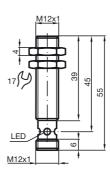
www.pepperl-fuchs.com

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

V1-W-2M-PUR

Cable socket, M12, 4-pin, PUR cable

Dimensions



Technical Data

General	specifications	ŝ
---------	----------------	---

	General specifications		
	Switching element function		DC NO
	Rated operating distance	s _n	4 mm
	Installation		embeddable
	Output polarity		DC
	Assured operating distance	sa	0 3.24 mm
	Reduction factor r _{Al}		0.49
	Reduction factor r _{Cu}		0.47
	Reduction factor r ₃₀₃		0.76
	Nominal ratings		
	Operating voltage	U_B	3.5 30 V
	Switching frequency	f	0 1000 Hz
	Hysteresis	Н	typ. 5 %
	Reverse polarity protected		leading
1	Short-circuit protection		nuleina

≤ 3.5 V Voltage drop Temperature drift ± 15% 2 ... 100 mA 0.4 ... 0.6 mA typ. 0.5 mA LED, yellow Operating current Off-state current Indication of the switching state Pre-fault indication LED, red

Stability control-switch point $0.8 \, s_r \dots 0.9 \, s_r$ **Ambient conditions**

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

Mechanical specifications

Connection type Device connector M12 x 1 , 4-pin Housing material brass, nickel-plated Sensing face Protection degree IP67

Compliance with standards and directives

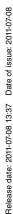
Standard conformity

Standards EN 60947-5-2:2007

IEC 60947-5-2:2007

Approvals and certificates

UL approval cULus Listed, General Purpose CSA approval cCSAus Listed, General Purpose Products with a maximum operating voltage of \leq 36 V do not bear a CCC marking because they do not require approval. CCC approval



121009_eng.xml

Installation hint

Correlation between output signal/LED-function and stable operating distance $s_{\rm s}/$ effective operating distance $s_{\rm r}$: ($s_{\rm s}$ typ. 80 % of $s_{\rm r}$)

