



Technical Data

For detailed data and product description refer to the data sheets at www.pepperl-fuchs.com

General Data

Rated operating distance	2 mm
Installation	flush
Type of voltage	DC
Operating voltage	10 ... 60 V
Reverse polarity protection	✓
Switching frequency	0 ... 3000 Hz
Operating current	0 ... 200 mA
Short-circuit protection	pulsing
Indication of the switching state	LED, yellow
Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Housing material	Stainless steel 1.4305 / AISI 303
Protection degree	IP67

Properties

- Ø12 mm housing
- 2 mm, flush mountable
- DC, 3-wire switching output
- Cable and connector versions

Model Number

			NJ2-12GM40-E	NJ2-12GM40-E2	NJ2-12GM40-E3	NJ2-12GM40-E-V1	NJ2-12GM40-E2-V1	NJ2-12GM40-E3-V1
Switching element function	NPN	NO	●			●		
	PNP	NO		●			●	
	PNP	NC			●			●
No-load supply current	≤ 11 mA		●	●		●	●	●
	≤ 15 mA				●			●
Connection type	Device connector M12 x 1 , 4-pin		●	●	●	●	●	●
	cable PUR , 2 m							

Approvals and Certificates

UL approval	cULus Listed, General Purpose	●	●	●	●	●	●	●
CSA approval	cCSAus Listed, General Purpose	●	●	●	●	●	●	●
CCC approval	Certified by China Compulsory Certification (CCC)	●	●	●	●	●	●	●

Dimensions

Length L [mm]		40	50
Diameter D [mm]			12
Thread length l _t [mm]		40	50
Cap length l ₁ [mm]			0
Connector area l _c [mm]			0
LED position			Pos. A

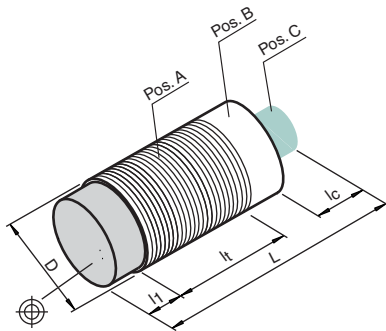
Accessories

This and more accessories can be found in chapter 10

See pages from 972 ... for cordsets

See pages 1068 ... for mounting aids

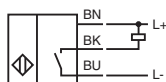
- BF 12** Mounting flange, 12 mm
- EXG-12** Quick mounting bracket with dead stop
- V1-G-BK** 4-pin, M12 female field-attachable connector
- V1-W-BK** 4-pin, M12 female field-attachable connector
- V1-G-2M-PUR** Cable socket, M12, 4-pin, PUR cable
- V1-W-2M-PUR** Cable socket, M12, 4-pin, PUR cable



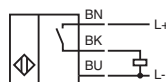
Electrical Connection



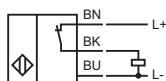
NJ2-12GM40-E



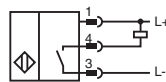
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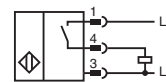
NJ2-12GM40-E3



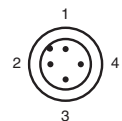
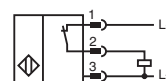
NJ2-12GM40-E-V1



NJ2-12GM40-E2-V1



NJ2-12GM40-E3-V1



Wire colors in accordance with EN 60947-5-2

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