Properties

- Ø18 mm housing
- 8 mm, non-flush mountable
- DC, 2-wire switching output
- Cable and connector versions

Technical Data

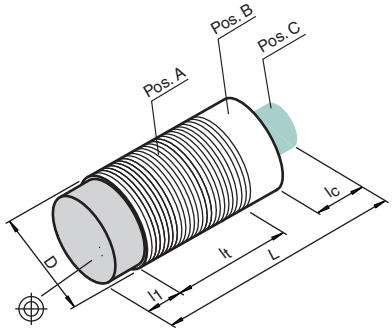
*For detailed data and product description refer to the data sheets at **www.pepperl-fuchs.com***

General Data	
Rated operating distance	8 mm
Installation	non-flush
Type of voltage	DC
Operating voltage	5 ... 60 V
Reverse polarity protection	tolerant
Operating current	2 ... 100 mA
Short-circuit protection	pulsing
Indication of the switching state	LED, yellow
Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Protection degree	IP67

Model Number	green = preferred type	NBN8-18GM40-Z0	NCN8-18GM40-Z0	NCN8-18GM40-Z1	NBN8-18GM40-Z0-V1	NCN8-18GM40-Z0-V1	NCN8-18GM40-Z1-V1
Switching element function	DC NO		●		●	●	
	DC NC			●			●
Switching frequency	0 ... 300 Hz		●	●		●	●
	0 ... 450 Hz				●		
	0 ... 500 Hz	●					
Housing material	Stainless steel 1.4305 / AISI 303		●	●		●	●
	brass, nickel-plated	●			●		
Connection type	Device connector M12 x 1 , 4-pin				●	●	●
	cable PUR , 2 m		●	●			
	cable PVC , 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			55		
Diameter D [mm]	18					
Thread length l_t [mm]	37			30		
Cap length l_1 [mm]	10					
Connector area l_c [mm]	0			15		
LED position	Pos. C					



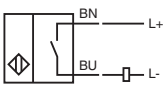
Accessories

This and more accessories can be found in chapter 10
See pages from 972 ... for cordsets See pages 1068 ... for mounting aids

V1-G-BK	4-pin, M12 female field-attachable connector
BF 18-F	Mounting flange with dead stop, 18 mm
BF 18	Mounting flange, 18 mm
V1-W-BK	4-pin, M12 female field-attachable connector
V1-W-2M-PUR	Cable socket, M12, 4-pin, PUR cable
EXG-18	Quick mounting bracket with dead stop
V1-G-2M-PUR	Cable socket, M12, 4-pin, PUR cable

Electrical Connection

NBN8-18GM40-Z0
NCN8-18GM40-Z0



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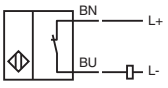

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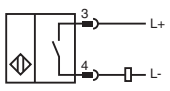
NCN8-18GM40-Z0-V1



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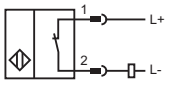

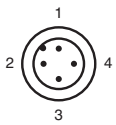

Wire colors in accordance with EN 60947-5-2

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

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