Properties

- Ø5 mm housing
- Up to 1.5 mm, flush mountable
- DC, 3-wire switching output
- Cable, pigtail and connector versions

Technical Data

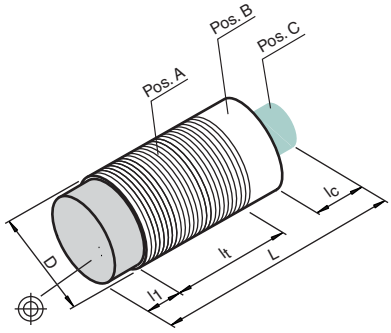
*For detailed data and product description refer to the data sheets at **www.pepperl-fuchs.com***

General Data	
Installation	flush
Type of voltage	DC
Operating voltage	10 ... 30 V
Reverse polarity protection	✔
Switching frequency	0 ... 3000 Hz
Short-circuit protection	pulsing
Indication of the switching state	LED, yellow
Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Protection degree	IP67

Model Number			NBB0,8-5GM25-E0	NBB0,8-5GM25-E1	NBB0,8-5GM25-E2	NBB0,8-5GM25-E3	NBB0,8-5GM25-E0-0,3M-V3	NBB0,8-5GM25-E2-0,3M-V3	NBB0,8-5GM25-E0-V3	NBB0,8-5GM25-E2-V3	NBB1,5-5GM25-E2-V3	NBB1,5-5GM25-E3-V3
	green = preferred type											
Rated operating distance	0.8 mm		●	●	●	●	●	●	●	●		
	1.5 mm										●	●
Switching element function	NPN	NC		●								
	NPN	NO	●				●		●			
	PNP	NC				●						●
	PNP	NO			●			●		●	●	
No-load supply current	≤ 10 mA				●	●		●			●	●
	≤ 12 mA		●	●			●		●			
	≤ 15 mA									●		
Operating current	0 ... 100 mA		●	●			●					
	0 ... 200 mA				●	●		●			●	●
	0.1 ... 100 mA								●	●		
Housing material	Stainless steel 1.4305 / AISI 303		●	●	●	●	●	●	●	●		
Connection type	Device connector M8 x 1 , 3-pin								●	●	●	●
	cable PVC , 2 m		●	●	●	●						
	Cable connector M8 x 1 , 3-pin with PVC cable 300 mm						●	●				

Approvals and Certificates											
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.										

Dimensions				
Length L [mm]	25	35	32	
Diameter D [mm]	5	5 / 8	5 / 8	
Thread length l_t [mm]	25	21	20	
Cap length l_1 [mm]	0	0	0	
Connector area l_c [mm]	0	10	6	
LED position	Pos. A	Pos. B	Pos. A	



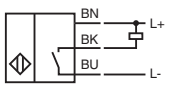
Accessories

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

BF 5	Mounting flange, 5 mm
V3-WM	Female connector, M8, 3-pin, field attachable
V3-GM	Female connector, M8, 3-pin, field attachable
V3-GM-2M-PUR	Cable socket, M8, 3-pin, PUR cable
V3-WM-2M-PUR	Cable socket, M8, 3-pin, PUR cable

Electrical Connection

NBB0,8-5GM25-E0



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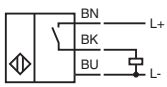

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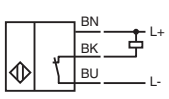

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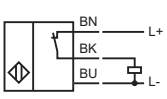

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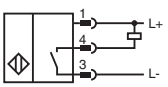
NBB0,8-5GM25-E0-V3



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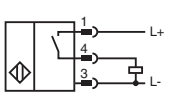
NBB0,8-5GM25-E2-V3
NBB1,5-5GM25-E2-V3



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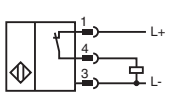

Wire colors in accordance with EN 60947-5-2

1	BN	(brown)
3	BU	(blue)
4	BK	(black)

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