Properties

- Ø4 mm housing
- Up to 1 mm, flush mountable
- DC, 3-wire switching output
- Cable and pigtail versions

Technical Data

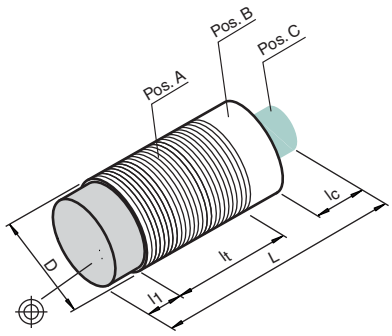
*For detailed data and product description refer to the data sheets at **www.pepperl-fuchs.com***

General Data	
Installation	flush
Type of voltage	DC
Operating voltage	10 ... 30 V
No-load supply current	≤ 10 mA
Reverse polarity protection	✔
Operating current	0 ... 100 mA
Short-circuit protection	pulsing
Indication of the switching state	LED, yellow
Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Protection degree	IP67
Housing material	Stainless steel 1.4305 / AISI 303

Model Number	green = preferred type	NBB0,6-4GM22-E0	NBB0,6-4GM22-E1	NBB0,6-4GM22-E2	NBB0,6-4GM22-E3	NBB1-4GM22-E0	NBB1-4GM22-E2	NBB0,6-4GM22-E2-0,3M-V3	NBB1-4GM22-E0-0,3M-V3	NBB1-4GM22-E2-0,3M-V3
Rated operating distance	0.6 mm	●	●	●	●			●		
	1 mm					●	●		●	●
Switching element function	NPN NC		●							
	NPN NO	●				●			●	
	PNP NC				●					
	PNP NO			●			●	●		●
Switching frequency	0 ... 700 Hz					●	●		●	●
	0 ... 1300 Hz		●		●					
	0 ... 1400 Hz	●		●				●		
Connection type	cable PUR , 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]	22
Diameter D [mm]	4
Thread length l_t [mm]	22
Cap length l_1 [mm]	0
Connector area l_c [mm]	0
LED position	Pos. A



Accessories

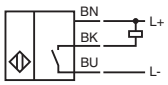
This and more accessories can be found in chapter 10

See pages from 972 ... for cordsets
See pages 1068 ... for mounting aids

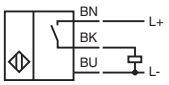
BF 4	Mounting flange, 4 mm

Electrical Connection

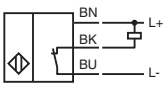
NBB0,6-4GM22-E0
NBB1-4GM22-E0



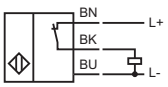
NBB0,6-4GM22-E2
NBB1-4GM22-E2



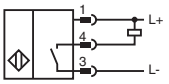
NBB0,6-4GM22-E1



NBB0,6-4GM22-E3



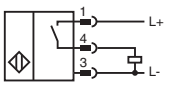
NBB1-4GM22-E0-0,3M-V3



Wire colors in accordance with EN 60947-5-2

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

NBB0,6-4GM22-E2-0,3M-V3
NBB1-4GM22-E2-0,3M-V3



Date of issue: 04/08/2015

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".
Pepperl+Fuchs Group www.pepperl-fuchs.com
USA: +1 330 486 0001 fa-info@us.pepperl-fuchs.com
Germany: +49 621 776 4411 fa-info@de.pepperl-fuchs.com
Singapore: +65 6779 9091 fa-info@sg.pepperl-fuchs.com
Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com
PEPPERL+FUCHS SENSING YOUR NEEDS