Properties

- Ø18 mm housing
- Up to 15 mm, flush and non-flush mountable versions
- AC/DC, 2-wire switching output
- Cable and connector versions

Technical Data

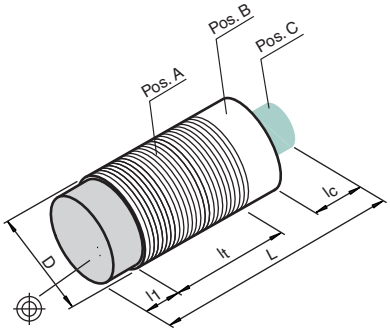
*For detailed data and product description refer to the data sheets at **www.pepperl-fuchs.com***

General Data	
Operating voltage	20 ... 250 V AC/20 ... 300 V DC
Reverse polarity protection	tolerant
Switching frequency	30 Hz
Operating current	4 ... 300 mA AC/DC
Short-circuit protection	✔
Operating voltage display	LED, green
Indication of the switching state	LED, yellow
Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Housing material	brass, nickel-plated
Protection degree	IP67

Model Number	green = preferred type	NBB8-18GM60-US	NBB8-18GM60-UO	NBN15-18GM60-US	NBN15-18GM60-UO	NBB8-18GM60-US-V12	NBB8-18GM60-UO-V12	NBN15-18GM60-US-V12	NBN15-18GM60-UO-V12
Rated operating distance	15 mm			●	●			●	●
	8 mm	●	●			●	●		
Installation	flush	●	●			●	●		
	non-flush			●	●			●	●
Switching element function	AC/DC NO	●		●		●		●	
	NC		●		●		●		●
Type of voltage	UC	●		●		●		●	
Connection type	Device connector 1/2"-20 UN , 3-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]		63				70			
Diameter D [mm]		18							
Thread length l_t [mm]		62		52		60		50	
Cap length l_1 [mm]				0				10	
Connector area l_c [mm]		0				10			
LED position		Pos. A							



Accessories

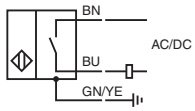
This and more accessories can be found in chapter 10

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

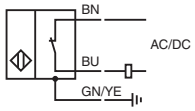
BF 18	Mounting flange, 18 mm
EXG-18	Quick mounting bracket with dead stop

Electrical Connection

NBB8-18GM60-US
NBN15-18GM60-US



NBB8-18GM60-UO
NBN15-18GM60-UO



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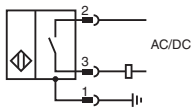

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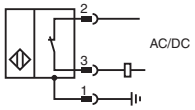

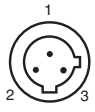

Wire colors

1	GN	(green)
2	RD/BK	(red/black)
3	RD/WH	(red/white)

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".
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