



**Technical Data**

For detailed data and product description refer to the data sheets at [www.pepperl-fuchs.com](http://www.pepperl-fuchs.com)

**General Data**

Installation	flush
Type of voltage	AC
Operating voltage	20 ... 250 V
No-load supply current	≤ 1.7 mA
Switching frequency	0 ... 20 Hz
Operating current	1.5 ... 200 mA
Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Housing material	PBT
Protection degree	IP67
Connection type	terminal compartment



**Properties**

- Ø30 mm housing
- 10 mm and 15 mm , flush mountable versions
- AC, 2-wire switching output
- Terminal compartment

**Model Number**

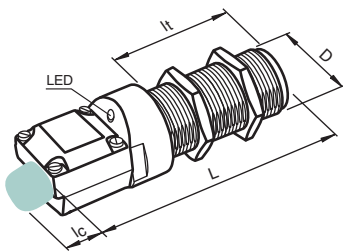
		NBB10-30GKK-WO	NBB10-30GKK-WS	NBB15-30GKK-WO	NBB15-30GKK-WS
Rated operating distance	10 mm	●	●		
	15 mm			●	●
Switching element function	AC NO		●		●
	AC NC	●		●	

**Approvals and Certificates**

		NBB10-30GKK-WO	NBB10-30GKK-WS	NBB15-30GKK-WO	NBB15-30GKK-WS
UL approval	cULus Listed, General Purpose	●	●	●	●
CSA approval	cCSAus Listed, General Purpose	●	●	●	●
CCC approval	Certified by China Compulsory Certification (CCC)	●	●	●	●

**Dimensions**

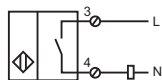
Length L [mm]	115
Diameter D [mm]	30
Thread length l <sub>t</sub> [mm]	58
Cap length l <sub>1</sub> [mm]	2
Connector area l <sub>c</sub> [mm]	0



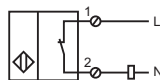
**Electrical Connection**



NBB15-30GKK-WS  
NBB10-30GKK-WS



NBB15-30GKK-WO  
NBB10-30GKK-WO



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

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