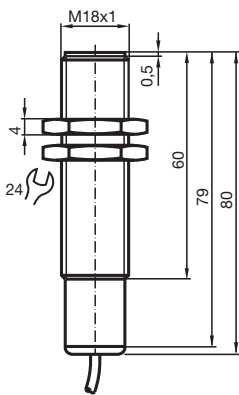


Inductive sensor NBN8-18GK-WS

■ 2-wire AC



Dimensions



Technical Data

General specifications

Switching function		Normally open (NO)
Output type		Two-wire
Rated operating distance	s_n	8 mm
Installation		non-flush
Output polarity		AC
Assured operating distance	s_a	0 ... 6.5 mm
Actual operating distance	s_r	7.2 ... 8.8 mm typ. 8 mm
Reduction factor r_{Al}		0.42
Reduction factor r_{Cu}		0.4
Reduction factor r_{304}		0.72
Output type		2-wire

Nominal ratings

Operating voltage	U_B	20 ... 253 V
Switching frequency	f	0 ... 25 Hz
Hysteresis	H	typ. 5 %
Voltage drop	U_d	≤ 8 V
Momentary current (20 ms, 0.1 Hz)		0 ... 1600 mA
Operating current	I_L	5 ... 200 mA
Off-state current	I_r	≤ 3 mA
No-load supply current	I_0	≤ 1.5 mA

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

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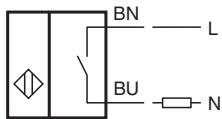
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PEPPERL+FUCHS


Technical Data

Time delay before availability	t_v	$\leq 20 \text{ ms}$
Compliance with standards and directives		
Standard conformity		
Standards		EN 60947-5-2:2007 IEC 60947-5-2:2007
Approvals and certificates		
UL approval		cULus Listed, General Purpose
CSA approval		cCSAus Listed, General Purpose
CCC approval		Certified by China Compulsory Certification (CCC)
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Connection type		cable PVC , 2 m
Core cross-section		0.75 mm ²
Housing material		PBT
Sensing face		PBT
Degree of protection		IP68
Note		1) In the temperature range below 0 °C, permissible operating voltage U_b 80...253 V Safety fuse $\leq 0.8 \text{ A}$ (quick-blow) according to IEC 60127-2 Sheet 1 Recommendation: after a short circuit, check that the device is functioning correctly.

Connection



Accessories

	BF 18	Mounting flange, 18 mm
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