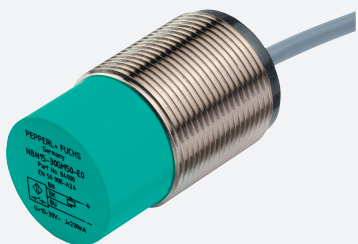


Inductive sensor

NJ15-30GM50-A2-5M

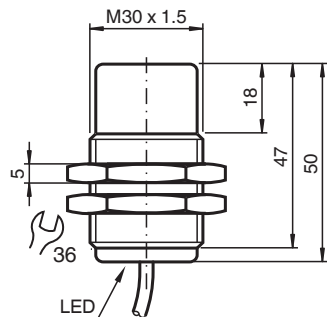


- Stainless steel housing
- 15 mm non-flush

Inductive sensor



Dimensions



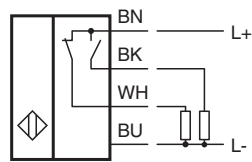
Technical Data

General specifications		
Switching function		complementary
Output type		PNP
Rated operating distance	s _n	15 mm
Installation		non-flush
Output polarity		DC
Assured operating distance	s _a	0 ... 12.15 mm
Actual operating distance	s _r	13.5 ... 16.5 mm typ. 15 mm
Reduction factor r _{Al}		0.45
Reduction factor r _{Cu}		0.4
Reduction factor r ₃₀₄		0.8
Nominal ratings		
Operating voltage	U _B	10 ... 60 V
Switching frequency	f	0 ... 300 Hz
Hysteresis	H	typ. 5 %
Reverse polarity protection		reverse polarity protected

Technical Data

Short-circuit protection		pulsing
Voltage drop	U_d	$\leq 3\text{ V}$
Operating current	I_L	0 ... 400 mA
No-load supply current	I_0	$\leq 15\text{ mA}$
Switching state indicator		LED, yellow
Functional safety related parameters		
MTTF _d		1190 a
Mission Time (T _M)		20 a
Diagnostic Coverage (DC)		0 %
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		cablc PVC , 5 m
Core cross-section		0.75 mm ²
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		PBT
Degree of protection		IP67

Connection



Accessories

	BF 30	Mounting flange, 30 mm
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