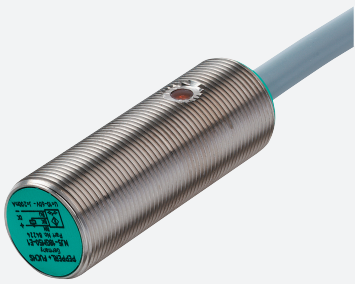


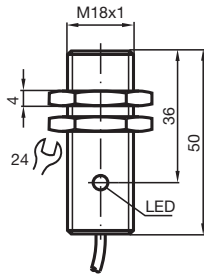
Inductive sensor NJ5-18GM50-E2



- Comfort series
- 5 mm flush



Dimensions



Technical Data

General specifications

Switching function		Normally open (NO)
Output type		PNP
Rated operating distance	s_n	5 mm
Installation		flush
Output polarity		DC
Assured operating distance	s_a	0 ... 4.05 mm
Actual operating distance	s_r	4.5 ... 5.5 mm typ. 5 mm
Reduction factor r_{AI}		0.2
Reduction factor r_{Cu}		0.15
Reduction factor r_{304}		0.62
Output type		3-wire

Nominal ratings

Operating voltage	U_B	10 ... 60 V
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Technical Data

Switching frequency	f	0 ... 1500 Hz
Hysteresis	H	1 ... 15 typ. 6 %
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U _d	≤ 3 V
Voltage drop at I _L		
Voltage drop I _L = 100 mA, switching element on	U _d	1.5 ... 2.5 V typ. 1.9 V
Operating current	I _L	0 ... 200 mA
Lowest operating current	I _m	0 mA
Off-state current	I _r	0 ... 0.5 mA typ. 0.01 mA
Off-state current T _U = 40 °C, switching element off		≤ 100 µA
No-load supply current	I ₀	≤ 9 mA
Time delay before availability	t _v	≤ 30 ms
Switching state indicator		LED, yellow

Functional safety related parameters

MTTF _d	1100 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)

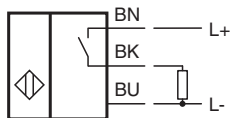
Ambient conditions

Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Storage temperature	-40 ... 85 °C (-40 ... 185 °F)

Mechanical specifications

Connection type	cable PVC , 2 m
Core cross-section	0.5 mm ²
Housing material	Stainless steel 1.4305 / AISI 303
Sensing face	PBT
Degree of protection	IP67

Connection



Accessories

	BF 18	Mounting flange, 18 mm
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Accessories

	EXG-18	Quick mounting bracket with dead stop
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