

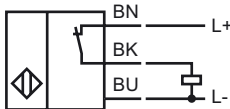


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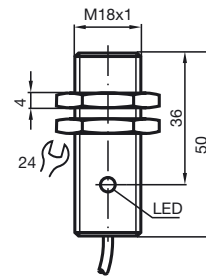
Model Number

NJ5-18GM50-E3-5M

Connection



Dimensions



Technical Data

General specifications

Switching element function	PNP	Break function
Rated operating distance	s_n	5 mm
Installation		embeddable
Output polarity		switched high
Assured operating distance	s_a	0 ... 4.05 mm
Reduction factor r_{Al}		0.2
Reduction factor r_{Cu}		0.15
Reduction factor r_{V2A}		0.62

Nominal ratings

Mounting conditions		
A		0 mm
B		0 mm
C		15 mm
Operating voltage	U_B	10 ... 60 V
Switching frequency	f	0 ... 1500 Hz
Hysteresis	H	1 ... 15 typ. 6 %
Reverse polarity protection		protected against reverse polarity
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 3 V
Operating current	I_L	0 ... 200 mA
Off-state current	I_r	0 ... 0.5 mA typ. 0.01 mA
No-load supply current	I_o	≤ 9 mA
Indication of the switching state		LED, yellow

Standard conformity

Standards	IEC / EN 60947-5-2:2004
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Ambient conditions

Ambient temperature	-25 ... 70 °C (248 ... 343 K)
Storage temperature	-40 ... 85 °C (233 ... 358 K)

Mechanical specifications

Connection type	5 m, PVC cable
Core cross-section	0.5 mm ²
Housing material	Stainless steel
Sensing face	PBT
Protection degree	IP67