



Model Number

NJ8-18GM50-E2-C-V1

Features

- Weld Immune

Technical Data

General specifications

Switching element function		PNP	NO
Rated operating distance	s_n	8 mm	
Installation		non-flush	
Output polarity		switched high	
Assured operating distance	s_a	0 ... 6.48 mm	
Reduction factor r_{Al}		0.5	
Reduction factor r_{Cu}		0.45	
Reduction factor r_{304}		0.75	

Nominal ratings

Operating voltage	U_B	10 ... 60 V
Switching frequency	f	0 ... 100 Hz
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 3 V
Operating current	I_L	0 ... 400 mA
No-load supply current	I_0	≤ 15 mA
Constant magnetic field	B	200 mT
Alternating magnetic field	B	100 mT
Switching state indicator		LED, yellow

Standard conformity

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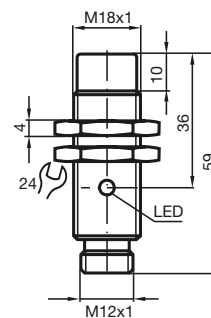
Ambient conditions

Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
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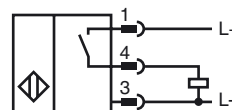
Mechanical specifications

Core cross-section	-
Housing material	Brass, PTFE coated
Sensing face	PPS
Degree of protection	IP67

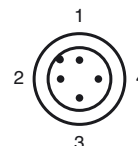
Dimensions



Electrical Connection



Pinout





Wire colors in accordance with EN 60947-5-2

1		BN	(brown)
2		WH	(white)
3		BU	(blue)
4		BK	(black)

Release date: 2015-02-26 08:56 Date of issue: 2015-02-26 039713_eng.xml