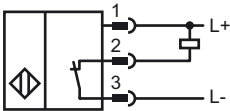




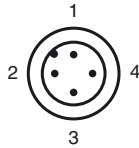
Model Number

NJ1,5-8GM40-E1-V1

Connection



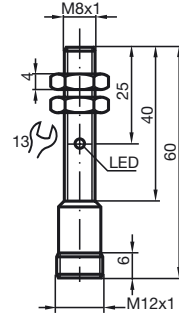
Pinout



Wire colors in accordance with EN 60947-5-2

1	BN
2	WH
3	BU
4	BK

Dimensions



Technical Data

General specifications

Switching element function	NPN	Break function
Rated operating distance	s_n	1.5 mm
Installation		embeddable
Output polarity		switched low
Assured operating distance	s_a	0 ... 1.215 mm
Reduction factor r_{Al}		0.24
Reduction factor r_{Cu}		0.21
Reduction factor r_{V2A}		0.67

Nominal ratings

Operating voltage	U_B	10 ... 60 V
Switching frequency	f	0 ... 5000 Hz
Hysteresis	H	1 ... 15 typ. 5 %
Reverse polarity protection		protected against reverse polarity
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 2.6 V
Operating current	I_L	0 ... 100 mA
Off-state current	I_r	0 ... 0.5 mA typ. 0.01 mA
No-load supply current	I_0	≤ 10 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	V1-connector
Core cross-section	-
Housing material	Stainless steel
Sensing face	PBT
Protection degree	IP67

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