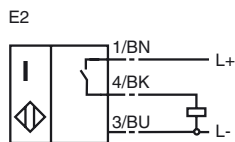


**Model Number**

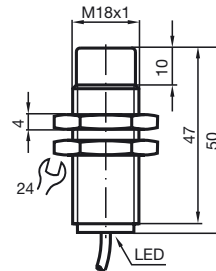
NBN8-18GM50-E2-C

Features

- For use in direct- and alternating-field welding systems
- 8 mm not embeddable

Connection**Accessories****BF 18**

Mounting flange

Dimensions**Technical Data****General specifications**

Switching element function	PNP Make function
Rated operating distance	s_n 8 mm
Installation	not embeddable
Output polarity	DC
Assured operating distance	s_a 0 ... 6.48 mm
Reduction factor r_{Al}	0.3
Reduction factor r_{Cu}	0.2
Reduction factor r_{V2A}	0.6
Reduction factor r_{St37}	

Nominal ratings

Operating voltage	U_B	10 ... 30 V
Switching frequency	f	0 ... 500 Hz
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. 0.1 μ A at 25 °C
No-load supply current	I_0	≤ 15 mA
Constant magnetic field	B	150 mT
Alternating magnetic field	B	150 mT
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)
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Mechanical specifications

Connection type	2 m, PVC cable
Core cross-section	0.34 mm ²
Housing material	brass, teflon coated
Sensing face	PPS
Protection degree	IP67