



Model Number

NBB10-30GM50-E2-C

Features

- For use in direct- and alternating-field welding systems
- 10 mm flush

Technical Data

General specifications

Switching element function		PNP	NO
Rated operating distance	s_n	10 mm	
Installation		flush	
Output polarity		DC	
Assured operating distance	s_a	0 ... 8.1 mm	
Reduction factor r_{Al}		0.3	
Reduction factor r_{Cu}		0.2	
Reduction factor r_{304}		0.6	

Nominal ratings

Operating voltage	U_B	10 ... 30 V	
Switching frequency	f	0 ... 10 Hz	
Reverse polarity protection		reverse polarity protected	
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	
Time delay before availability	t_v	≤ 30 ms	
Constant magnetic field	B	100 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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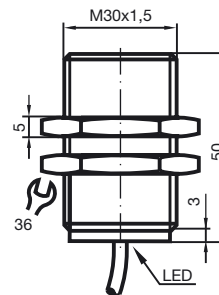
Ambient conditions

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

Core cross-section	0.34 mm ²
Housing material	Brass, PTFE coated
Sensing face	PPS
Degree of protection	IP67

Dimensions



Electrical Connection

