

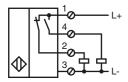
Model Number

NJ20P+U4+A2

Features

- Only for non-ferrous metals
- 20 mm non-flush
- 4-wire DC

Connection

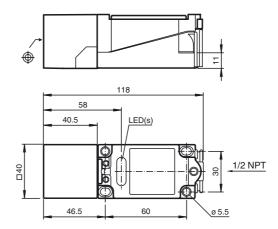


Accessories

MHW 01

Modular mounting bracket

Dimensions



Technical Data

General specifications					
Switching element function		PNP NO/NC			
Rated operating distance	s _n	20 mm			
Installation		non-flush			
Output polarity		DC			
Assured operating distance	Sa	1 16.2 mm			
Reduction factor r _{Al}		1			
Reduction factor r _{Cu}		1			
Reduction factor r _{St37}		0			
Reduction factor r _{Brass}		1 (Minimum distance: 2 mm)			
Nominal ratings					

Iominal	ratings
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Operating voltage	U_{B}	10 30 V
Switching frequency	f	0 200 Hz
Hysteresis	Н	typ. 5 %
Reverse polarity protected		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 3 V
Operating current	IL.	0 200 mA
No-load supply current	I ₀	≤ 20 mA
Operating voltage display		LED, green
Indication of the switching state		LED, yellow

Ambient conditions

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

Mechanical specifications

Connection type
Core cross-section terminal compartment up to 2.5 mm² Housing material PBT Sensing face Housing base Protection degree metal IP68

Compliance with standards and directives

Standard conformity

EN 60947-5-2:2007 Standards IEC 60947-5-2:2007

Approvals and certificates

UL approval	cULus Listed, General Purpose
CSA approval	cCSAus Listed, General Purpose
CCC approval	Products with a maximum operating voltage of ≤36 V do not bear a CCC marking because they do not require approval.