



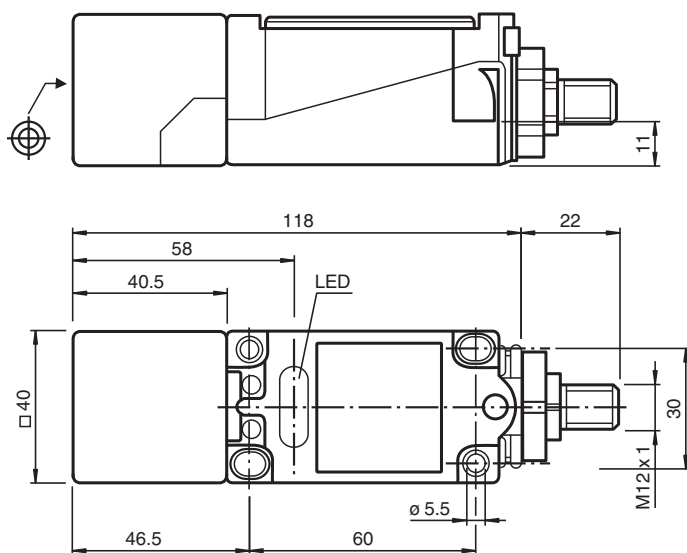
Inductive sensor

NJ20P+U4+A2-V1

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



Dimensions



Technical Data

General specifications			
Switching function		complementary	
Output type		PNP	
Rated operating distance	s _n	20 mm	
Installation		non-flush	
Output polarity		DC	
Assured operating distance	s _a	0 ... 16.2 mm	
Reduction factor r _{Al}		1	
Reduction factor r _{Cu}		1	

Technical Data

Reduction factor r_{Si37}		0
Reduction factor r_{Brass}		1 (Minimum distance: 2 mm)
Nominal ratings		
Operating voltage	U_B	10 ... 30 V DC
Switching frequency	f	0 ... 200 Hz
Hysteresis	H	1 ... 10 typ. 5 %
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 3 V
Operating current	I_L	0 ... 200 mA
No-load supply current	I_0	≤ 20 mA
Time delay before availability	t_v	≤ 10 ms
Operating voltage indicator		LED, green
Switching state indicator		LED, yellow
Compliance with standards and directives		
Standard conformity		
Standards		EN 60947-5-2:2007 IEC 60947-5-2:2007
Approvals and certificates		
UL approval		cULus Listed, General Purpose
CSA approval		cCSAus Listed, General Purpose
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Connection type		Connector M12 x 1 , 4-pin
Housing material		PBT
Sensing face		PBT
Housing base		metal
Degree of protection		IP68

Connection

