

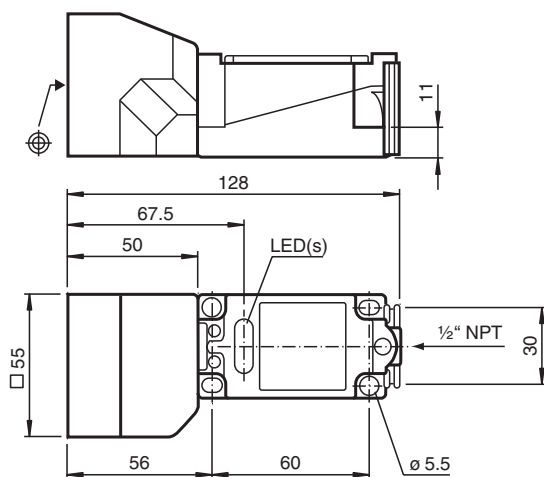


Inductive sensor NCN40+U4+N0

■ Comfort series



Dimensions



Technical Data

General specifications

Switching function	Normally closed (NC)	
Output type	NAMUR	
Rated operating distance	s_n	40 mm
Installation	non-flush	
Assured operating distance	s_a	0 ... 32.4 mm
Reduction factor r_{Al}	0.45	
Reduction factor r_{Cu}	0.45	
Reduction factor r_{304}	0.8	
Output type	2-wire	

Nominal ratings

Nominal voltage	U_o	8 V
Switching frequency	f	0 ... 100 Hz
Hysteresis	H	1 ... 15 typ. 5 %
Reverse polarity protection	reverse polarity protected	
Short-circuit protection	yes	
Current consumption		
Measuring plate not detected	min. 3 mA	
Measuring plate detected	≤ 1 mA	
Switching state indicator	LED, yellow	

Compliance with standards and directives

Release date: 2020-03-20 Date of issue: 2020-03-30 Filename: 085986_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

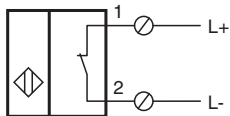
Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS

Technical Data

Standard conformity	
NAMUR	EN 60947-5-6:2000 IEC 60947-5-6:1999
Electromagnetic compatibility	NE 21:2007
Standards	EN 60947-5-2:2007 EN 60947-5-2/A1:2012 IEC 60947-5-2:2007 IEC 60947-5-2 AMD 1:2012
Approvals and certificates	
UL approval	cULus Listed, General Purpose
CSA approval	cCSAus Listed, General Purpose
CCC approval	CCC approval / marking not required for products rated ≤36 V
Ambient conditions	
Ambient temperature	-25 ... 100 °C (-13 ... 212 °F)
Storage temperature	-40 ... 100 °C (-40 ... 212 °F)
Mechanical specifications	
Connection type	screw terminals
Information for connection	A maximum of two conductors with the same core cross section may be mounted on one terminal connection! tightening torque 1.2 Nm + 10 %
Core cross-section	up to 2.5 mm ²
Minimum core cross-section	without wire end ferrule 0.5 mm ² , with connector sleeves 0.34 mm ²
Maximum core cross-section	without wire end ferrule 2.5 mm ² , with connector sleeves 1.5 mm ²
Housing material	PBT-GF20, Crastin SK 643 FR
Sensing face	PBT-GF20, Crastin SK 643 FR
Housing base	metal
Degree of protection	IP68

Connection



Accessories

	MHW 01	Modular mounting bracket
---	---------------	--------------------------