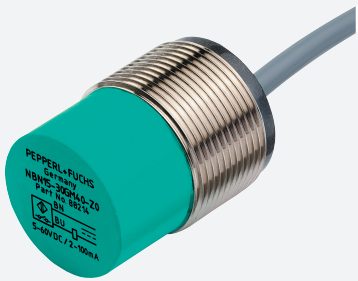


Inductive sensor

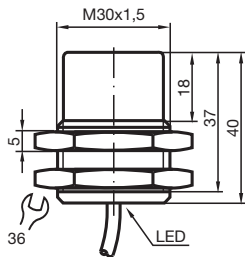
NCN15-30GM40-Z1



- Comfort series
- 15 mm non-flush
- 2-wire DC



Dimensions



Technical Data

General specifications		
Switching function		Normally closed (NC)
Output type		Two-wire
Rated operating distance	s _n	15 mm
Installation		non-flush
Output polarity		DC
Assured operating distance	s _a	0 ... 12.2 mm
Actual operating distance	s _r	13.5 ... 16.5 mm typ.
Reduction factor r _{Al}		0.38
Reduction factor r _{Cu}		0.35
Reduction factor r ₃₀₄		0.68
Nominal ratings		
Operating voltage	U _B	5 ... 60 V

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

Switching frequency	f	0 ... 100 Hz
Hysteresis	H	1 ... 10 typ. 5 %
Reverse polarity protection		reverse polarity tolerant
Short-circuit protection		pulsing
Voltage drop	U _d	≤ 5 V
Operating current	I _L	2 ... 100 mA
Lowest operating current	I _m	2 mA
Off-state current	I _r	0 ... 0.5 mA typ.
Switching state indicator		all direction LED, yellow

Functional safety related parameters

MTTF _d		1751 a
Mission Time (T _M)		20 a
Diagnostic Coverage (DC)		0 %

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
CCC approval		Certified by China Compulsory Certification (CCC)

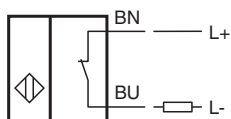
Ambient conditions

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

Mechanical specifications

Connection type		cabl PUR , 2 m
Core cross-section		0.34 mm ²
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		PBT
Degree of protection		IP67

Connection



Accessories

	BF 30	Mounting flange, 30 mm
---	--------------	------------------------