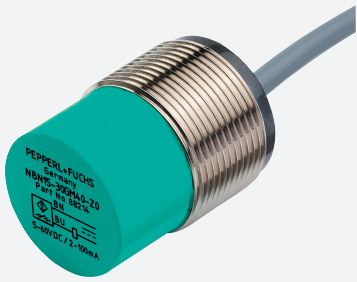


Inductive sensor

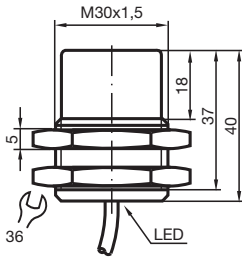
NCN15-30GM40-N0-20M



- Comfort series
- Stainless steel housing



Dimensions



Technical Data

General specifications

Switching function		Normally closed (NC)
Output type		NAMUR
Rated operating distance	s_n	15 mm
Installation		non-flush
Assured operating distance	s_a	0 ... 12.15 mm
Actual operating distance	s_r	13.5 ... 16.5 mm typ.
Reduction factor r_{AI}		0.4
Reduction factor r_{Cu}		0.35
Reduction factor r_{304}		0.7
Output type		2-wire

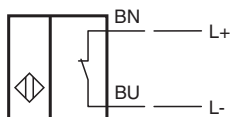
Nominal ratings

Nominal voltage	U_o	8 V
-----------------	-------	-----

Technical Data

Switching frequency	f	0 ... 150 Hz
Hysteresis	H	1 ... 15 typ. 6 %
Reverse polarity protection		reverse polarity protected
Short-circuit protection		yes
Current consumption		
Measuring plate not detected		min. 2.2 mA
Measuring plate detected		≤ 1 mA
Switching state indicator		all direction LED, yellow
Compliance with standards and directives		
Standard conformity		
NAMUR		EN 60947-5-6:2000 IEC 60947-5-6:1999
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		
EAC conformity		TR CU 012/2011
UL approval		
Ordinary Location		E87056
Hazardous Location		E501628
Control drawing		116-0452
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		cablE PVC , 20 m
Core cross-section		0.75 mm ²
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		PBT
Degree of protection		IP66 / IP67
Cable		
Cable diameter		6 mm ± 0.2 mm
Bending radius		> 10 x cable diameter
Equipment protection level Dc (tc)		
Special conditions		
Maximum permissible ambient temperature T _{Umax}		Values can be obtained from the following list, depending on the max. operating voltage U _{Bmax} and the minimum series resistance R _v .
General information		
Use in the hazardous area		see instruction manuals

Connection



Accessories

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

Release date: 2020-05-13 Date of issue: 2020-05-13 Filename: 181130_eng.pdf