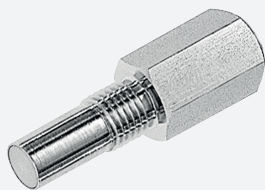


Inductive sensor

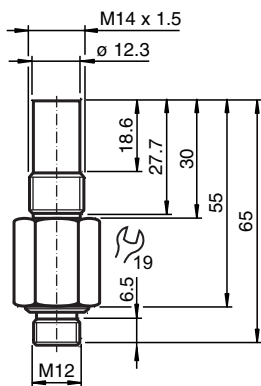
NCB3-14GM65-E2-D-V1



- 3 mm flush
- Operating pressure 500 bar, peak pressure 800 bar
- For applications in hydraulic cylinder



Dimensions



Technical Data

General specifications		
Switching function		Normally open (NO)
Output type		PNP
Rated operating distance	s _n	3 mm
Installation		flush
Output polarity		DC
Reduction factor r _{Al}		0
Reduction factor r _{Cu}		0
Reduction factor r ₃₀₄		0.85
Reduction factor r _{St37}		1
Reduction factor r _{Brass}		0.15
Output type		3-wire
Nominal ratings		
Operating voltage	U _B	10 ... 30 V DC
Switching frequency	f	0 ... 500 Hz
Hysteresis	H	typ. 10 %

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

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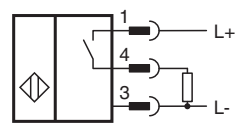
Singapore: +65 6779 9091
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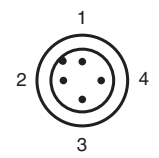
Technical Data

Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U _d	≤ 2 V
Repeat accuracy	R	0.1 mm
Temperature drift		± 15% max.
Operating current	I _L	≤ 200 mA
No-load supply current	I ₀	≤ 10 mA
Time delay before availability	t _v	≤ 10 ms
Limit data		
Operating pressure		500 bar (7252 psi)
Peak pressure		800 bar (11603.2 psi)
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		CCC approval / marking not required for products rated ≤36 V
Ambient conditions		
Ambient temperature		-25 ... 80 °C (-13 ... 176 °F)
Mechanical specifications		
Connection type		Connector plug M12 x 1 , 4-pin
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		Ceramic
Degree of protection		IP68
Mass		73 g

Connection



Connection Assignment



Release date: 2020-03-23 Date of issue: 2020-03-30 Filename: 213969_eng.pdf

1	BN	(brown)
2	WH	(white)
3	BU	(blue)
4	BK	(black)

Installation

