

Inductive sensor

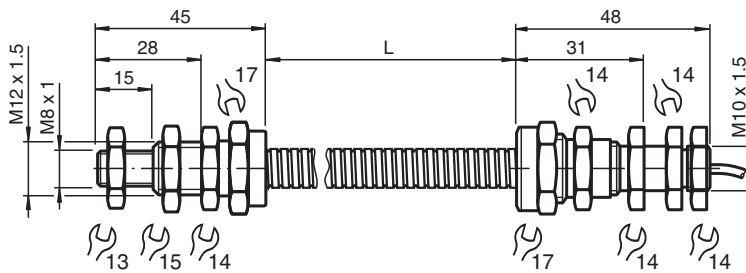
NCB1,5-8GM25-N0-Y295009



■ 1.5 mm flush



Dimensions



Technical Data

General specifications			
Rated operating distance	s_n		1.5 mm
Installation			flush
Output polarity			NAMUR
Assured operating distance	s_a		0 ... 1.215 mm
Actual operating distance	s_r		1.35 ... 1.65 mm typ.
Reduction factor r_{Al}			0.3
Reduction factor r_{Cu}			0.2
Reduction factor r_{304}			0.7
Output type			2-wire
Nominal ratings			
Nominal voltage	U_o		8.2 V (R_i approx. 1 k Ω)
Switching frequency	f		0 ... 2000 Hz
Hysteresis	H		1 ... 10 typ. 3 %
Reverse polarity protection			reverse polarity protected
Short-circuit protection			yes
Suitable for 2:1 technology			yes , Reverse polarity protection diode not required

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

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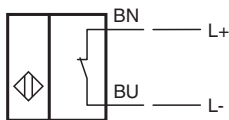
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Technical Data

Current consumption		
Measuring plate not detected		min. 3 mA
Measuring plate detected		≤ 1 mA
Functional safety related parameters		
MTTF _d		3590 a
Mission Time (T _M)		20 a
Diagnostic Coverage (DC)		0 %
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		
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
Connection assembly		Protective hose : stainless steel AISI 304L screwed connection : MS58 nickel-plated
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		LCP
Degree of protection		IP67
Cable		
Bending radius		> 10 x cable diameter
Material		PVC
Core cross section		0.14 mm ²
Length	L	2 m
Cable protection		Protective hose 40 cm
General information		
Use in the hazardous area		see instruction manuals

Connection



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