



**Model Number**

**NCB1,5-8GM25-N0-Y295010**

**Features**

- 1.5 mm flush

**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 $\Omega$ )
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
Current consumption		
Measuring plate not detected		≥ 3 mA
Measuring plate detected		≤ 1 mA

**Functional safety related parameters**

MTTF <sub>d</sub>		3590 a
Mission Time (T <sub>M</sub> )		20 a
Diagnostic Coverage (DC)		0 %

**Ambient conditions**

Ambient temperature		-25 ... 100 °C (-13 ... 212 °F)
Storage temperature		-40 ... 100 °C (-40 ... 212 °F)

**Mechanical specifications**

Connection type		cable PVC, 2 m Protective hose L = 50 cm
Connection assembly		Protective hose : stainless steel 1.4301 / AISI 304 screwed connection : MS58 nickel-plated
Core cross-section		0.14 mm <sup>2</sup>
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		LCP
Degree of protection		IP67

**General information**

Use in the hazardous area		see instruction manuals
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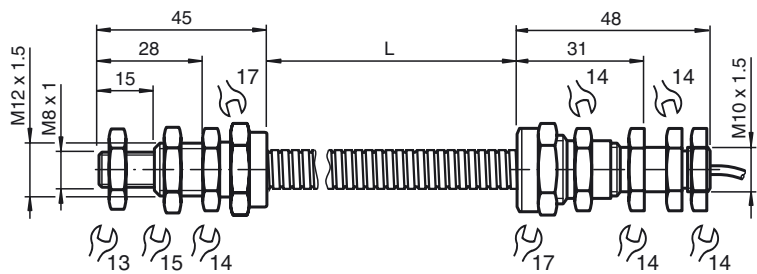
**Compliance with standards and directives**

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

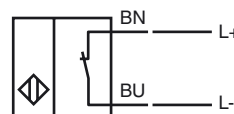
**Approvals and certificates**

CCC approval		CCC approval / marking not required for products rated ≤36 V
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**Dimensions**



**Electrical Connection**



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