



CE

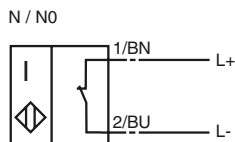
Model Number

NCB2-12GM35-N0

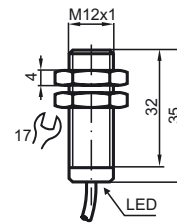
Features

- Comfort series
- 2 mm embeddable

Connection



Dimensions



Technical Data

General specifications

Switching element function	NAMUR NC
Rated operating distance	s_n 2 mm
Installation	embeddable
Output polarity	NAMUR
Assured operating distance	s_a 0 ... 1.62 mm
Reduction factor r_{AI}	0.23
Reduction factor r_{Cu}	0.21
Reduction factor r_{V2A}	0.7

Nominal ratings

Nominal voltage	U_o	8 V
Switching frequency	f	0 ... 2000 Hz
Hysteresis	H	1 ... 10 typ. 3 %
Reverse polarity protection		protected against reverse polarity
Short-circuit protection		yes
Current consumption		
Measuring plate not detected		≥ 3 mA
Measuring plate detected		≤ 1 mA
Indication of the switching state		all direction LED, yellow

Standard conformity

EMC in accordance with	IEC / EN 60947-5-2:2004; NE 21
Standards	DIN EN 60947-5-6 (NAMUR)

Ambient conditions

Ambient temperature	-25 ... 100 °C (248 ... 373 K)
Storage temperature	-40 ... 100 °C (233 ... 373 K)

Mechanical specifications

Connection type	2 m, PVC cable
Core cross-section	0.34 mm ²
Housing material	Stainless steel
Sensing face	PBT
Protection degree	IP67



ATEX

Data for Ex areas

Effective internal inductivity	C_i	$\leq 90 \text{ nF}$
Effective internal inductance	L_i	$\leq 100 \text{ }\mu\text{H}$

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