



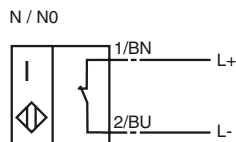
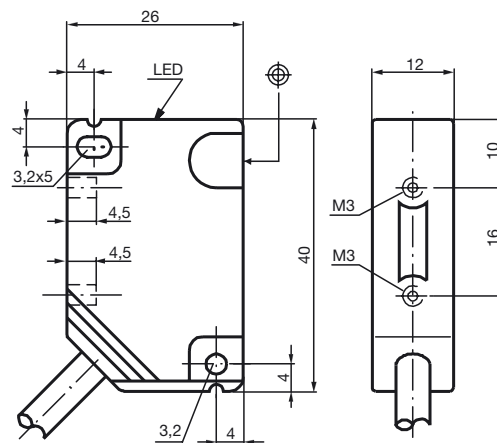
CE

**Model Number**

NCB2-F1-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 $r_{Al}$	0.2
Reduction factor $r_{Cu}$	0.15
Reduction factor $r_{V2A}$	0.65

**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	$\geq 3$ mA
Measuring plate detected	$\leq 1$ mA
Indication of the switching state	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 <sup>2</sup>
Housing material	PBT
Sensing face	PBT
Protection degree	IP67



**ATEX**

Data for Ex areas

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

Release date: 2002-11-07 11:30 Date of issue: 2008-06-30 029627\_ENG.xml