





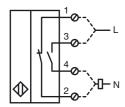
# **Model Number**

NCB40-FP-W-P1

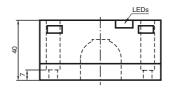
## **Features**

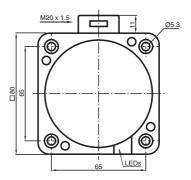
- Comfort series
- 40 mm embeddable

## Connection



## **Dimensions**





# **Technical Data**

General specifications				
Switching element function		AC	NO/NC	
Rated operating distance	s <sub>n</sub>	40 mm		
Installation		embed	dable	
Output polarity		AC		
Assured operating distance	Sa	0 32	.4 mm	
Reduction factor r <sub>Al</sub>		0.25		
Reduction factor r <sub>Cu</sub>		0.23		
Reduction factor r <sub>V2A</sub>		0.85		
Nominal ratings				

Nominal ratings		
Operating voltage	$U_{B}$	20 253 V
Switching frequency	f	0 20 Hz
Hysteresis	Н	typ. 3 %
Short-circuit protection		no
Voltage drop	$U_d$	≤ 5 V typ. 4V
Momentary current (20 ms, 0.1 Hz)		≤ 4000 mA
Operating current	١L	5 500 mA
Off-state current	l <sub>r</sub>	0.3 1 mA typ. 0.7 mA
Operating voltage display		LED, green
Indication of the quitabing state		LED vollow

indication of the switching state	LED, yellow
Ambient conditions	
Ambient temperature	-25 70 °C (-13 158 °F)

Mechanical specifications	
Connection type	screw terminals
Core cross-section	up to 2.5 mm <sup>2</sup>
Housing material	PBT
Sensing face	PBT
Protection degree	IP68
Note	1) In the temperature range below 0 °C, permissible operating v

safety fuse  $\leq$  2 A (quick-blow) according to IEC 60127-2 Sheet 1 Recommendation: after a short circuit, check that the device is functioning correctly.

Compliance with standards and directives

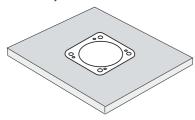
Standard conformity		
Standards	EN 60947-5-2:2007 IEC 60947-5-2:2007	

Approvals and certificates			
UL approval	cULus Listed, General Purpose		
CSA approval	cCSAus Listed, General Purpose		
CCC approval	Certified by China Compulsory Certification (CCC)		

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These sensors are especially designed for embeddable mounting in conveyor floors. Due to its precise location in metal base plates the sensor is afforded a high degree of mechanical protection. No clearance is required between the sensor and the base plate, avoiding the need for protective guarding to prevent possible foot injury.

The large sensing range ensures positive detection, and thus provides consistent control and monitoring of the conveyor.



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