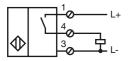
Model Number

NCB50-FP-E2-P2

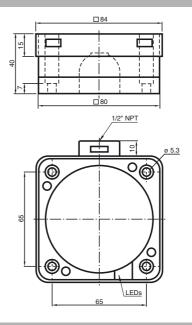
Features

- 50 mm flush
- 3-wire DC

Connection



Dimensions



Technical Data

t

Nomi	nal ra	tings

Operating voltage	U_B	10 60 V DC
Switching frequency	f	0 80 Hz
Hysteresis	Н	typ. 3 %
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 3 V
Operating current	IL.	0 200 mA
Off state gurrent	1	0 0 E m 1

 $\begin{array}{c|cccc} \mbox{Voitage drop} & \mbox{U}_d & \leq 3 \ \mbox{V} \\ \mbox{Operating current} & \mbox{I}_L & 0 \dots 200 \ \mbox{mA} \\ \mbox{Off-state current} & \mbox{I}_r & 0 \dots 0.5 \ \mbox{mA} \\ \mbox{No-load supply current} & \mbox{I}_0 & \leq 20 \ \mbox{mA} \\ \mbox{Time delay before availability} & \mbox{t}_v & \leq 300 \ \mbox{ms} \\ \mbox{Operating voltage display} & \mbox{LED, green} \\ \mbox{Indication of the switching state} & \mbox{LED, yellow} \\ \mbox{Functional safety related parameters} \\ \mbox{} \end{array}$

 $\begin{array}{ll} \text{MTTF}_{d} & 940 \text{ a} \\ \text{Mission Time } (T_{M}) & 20 \text{ a} \\ \text{Diagnostic Coverage (DC)} & 0 \text{ \%} \end{array}$

Ambient conditions

Ambient temperature $$-25 \dots 70\ ^{\circ}\text{C}\ (-13 \dots 158\ ^{\circ}\text{F})$}$

Mechanical specifications

Connection type screw terminals
Core cross-section up to 2.5 mm²
Housing material PBT
Sensing face PBT
Housing base PBT
Protection degree IP68

Compliance with standards and directives

Standard conformity

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

Approvals and certificates

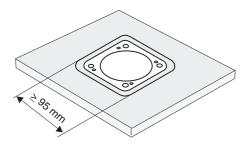
UL approval cULus Listed, General Purpose
CSA approval cCSAus Listed, General Purpose
CCC approval Certified by China Compulsory Certification (CCC)

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Installation hint

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.



Warning! Once the metal screening has been removed, the sensor can no longer be embeddable mounted.

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