







Model Number

NCB50-FP-A2-P1-V1

Features

- 50 mm flush
- 4-wire DC

Accessories

V1-G

Female connector, M12, 4-pin, field attachable

V1-W-2M-PUR

Female cordset, M12, 4-pin, PUR cable

V1-G-2M-PUR

Female cordset, M12, 4-pin, PUR cable

V1-W

Female connector, M12, 4-pin, field attachable

Technical Data General specifications

Switching element function
Rated operating distance s_n
Installation
Output polarity
Assured operating distance s_a
Reduction factor r_{Al}
Reduction factor r_{Cu}
Reduction factor r₃₀₄
Nominal ratings

Functional safety related parameters

 $\begin{array}{ll} \text{MTTF}_d & 680 \text{ a} \\ \text{Mission Time } (T_M) & 20 \text{ a} \\ \text{Diagnostic Coverage } (DC) & 0 \% \end{array}$

Ambient conditions

Mechanical specifications

Connection type Connector M12 x 1 , 4-pin
Housing material PBT
Sensing face PBT
Housing base PBT
Degree of protection IP68

PNP

flush

DC 0 ... 40.5 mm 0.38

0.35

50 mm

NO/NC

Compliance with standards and directives

Standard conformity

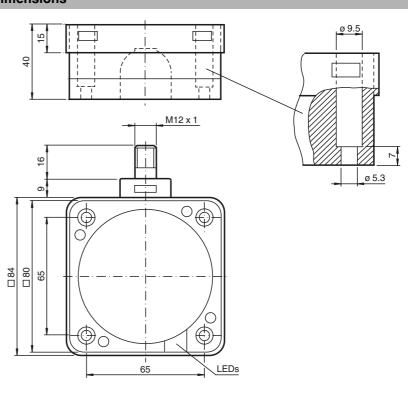
Standards EN 60947-5-2:2007 IEC 60947-5-2:2007

Approvals and certificates

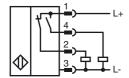
UL approval cULus Listed, General Purpose CSA approval cCSAus Listed, General Purpose

CCC approval Certified by China Compulsory Certification (CCC)

Dimensions



Electrical Connection



Pinout



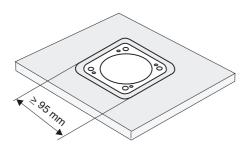
Wire colors in accordance with EN 60947-5-2

1	BN	(brown
2	WH	(white)
3	BU	(blue)
4	BK	(black)

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.



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

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