

Model Number

NCB50-FP-E2-P1-V1

Features

- 50 mm flush
- 3-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

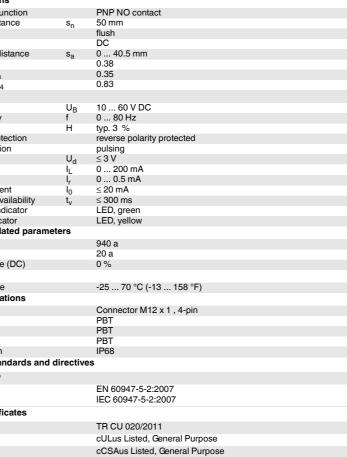
Female connector, M12, 4-pin, field attachable

Technical Data			
General specifications			
Switching element function		PNF	
Rated operating distance	s _n	50 n	
Installation		flush	
Output polarity		DC	
Assured operating distance	sa	0	
Reduction factor r _{AI}		0.38	
Reduction factor r _{Cu}		0.35	
Reduction factor r ₃₀₄		0.83	
Nominal ratings			
Operating voltage	UB	10	
Switching frequency	f	0	
Hysteresis	н	typ.	
Reverse polarity protection		reve	
Short-circuit protection		puls	
Voltage drop	U _d	≤ 3 '	
Operating current	IL.	0	
Off-state current	l _r	0	
No-load supply current	lo	≤ 20	
Time delay before availability	t _v	≤ 30	
Operating voltage indicator		LED	
Switching state indicator		LED	
Functional safety related parameter	rs		
MTTFd		940	
Mission Time (T _M)		20 a	
Diagnostic Coverage (DC)		0 %	
Ambient conditions			
Ambient temperature		-25	
Mechanical specifications			
Connection type		Con	
Housing material		PBT	
Sensing face		PBT	
Housing base		PBT	
Degree of protection		IP68	
Compliance with standards and directives			
Standard conformity			
Standards		EN (

Approvals and certificates

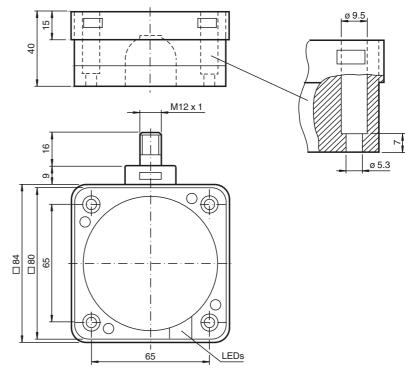
EAC conformity UL approval CSA approval

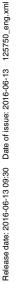
- CCC approval



Certified by China Compulsory Certification (CCC)

Dimensions





Refer to "General Notes Relating to Pepperl+Fuchs Product Information"

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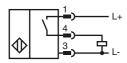
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Electrical Connection



Pinout



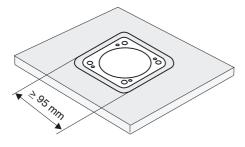
Wire colors in accordance with EN 60947-5-2

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.



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

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