ϵ



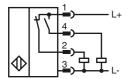
Model Number

NCB50-FP-A2-P1-V1-LEU

Features

- 50 mm flush
- 4-wire DC

Connection



Pinout



Wire colors in accordance with EN 60947-5-2

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

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

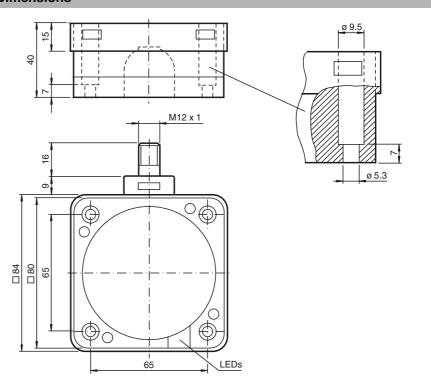
Female cordset, M12, 4-pin, PUR cable

V1-W

www.pepperl-fuchs.com

Female connector, M12, 4-pin, field attachable

Dimensions



Technical Data

General specifications

Switching element function		PNP	NO/NC
LEUZE part number		99999999	99
Rated operating distance	s _n	50 mm	
Installation		flush	
Output polarity		DC	
Assured operating distance	sa	0 40.5	mm
Reduction factor r _{Al}		0.38	
Reduction factor r _{Cu}		0.35	
Reduction factor r ₃₀₄		0.83	

Nominal ratings

Nominal ratings		
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	լլ	0 200 mA
Off-state current	I _r	0 0.5 mA
No-load supply current	I ₀	≤ 20 mA
Time delay before availability	t _v	≤ 300 ms
Operating voltage display		LED, green
Switching state indication		LED, yellow

Functional safety related parameters

MTTF _d	680 a
Mission Time (T _M)	20 a
Diagnostic Coverage (DC)	0 %

Ambient conditions

Amb	ient	tem	pera	tur	е	-25 70 °C (-13 158	°F)

Mechanical specifications

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

Protection degree

Compliance with standards and directives

Standard conformity

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

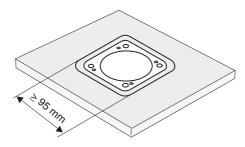
Approvals and certificates

Protection class

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.

FPEPPERL+FUCHS

Germany: +49 621 776-4411

fa-info@pepperl-fuchs.com