









Model Number

NCN50-FP-A2-P1-V1

Features

- **Comfort series**
- 50 mm non-flush

Accessories

V1-G

Female connector, M12, 4-pin, field attachable

V1-W

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

Technical Data

General specifications

Switching element function		PNP	NO/NC
Rated operating distance	s _n	50 mm	
Installation		non-flush	
Output polarity		DC	
Assured operating distance	sa	0 40.5 mm	n
Reduction factor r _{Al}		0.4	
Reduction factor r _{Cu}		0.3	
Reduction factor r ₃₀₄		0.85	
Nominal ratings			
Operating voltage	11	10 60 1/	

Operating voltage UΒ 10 ... 60 V Switching frequency 0 ... 80 Hz typ. 3 % Н Hysteresis

Reverse polarity protection reverse polarity protected Short-circuit protection pulsing Voltage drop U_d

≤ 3 V 0 ... 200 mA 0 ... 0.5 mA Operating current
Off-state current No-load supply current ≤ 20 mA Time delay before availability ≤ 300 ms Operating voltage indicator Switching state indicator LED, green LED, yellow

Functional safety related parameters

MTTF_d Mission Time (T_M) 680 a 20 a Diagnostic Coverage (DC) 0 %

Ambient conditions Ambient temperature

-25 ... 70 °C (-13 ... 158 °F)

Mechanical specifications

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

Sensing face PBT Housing base IP68 Degree of protection

Compliance with standards and directives

Standard conformity

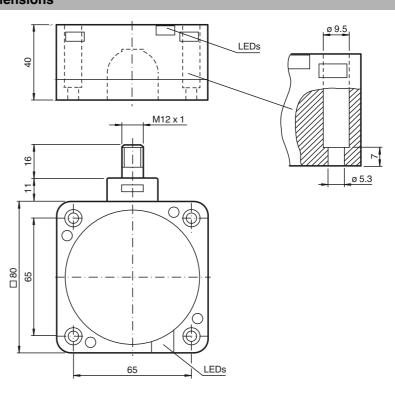
EN 60947-5-2:2007 Standards IEC 60947-5-2:2007

Approvals and certificates

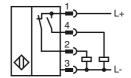
UL approval cULus Listed, General Purpose cCSAus Listed, General Purpose CSA approval

Certified by China Compulsory Certification (CCC) CCC approval

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)

FPEPPERL+FUCHS

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