



## Inductive sensor NCN50-FP-Z2-P4

- 50 mm non-flush
- 2-wire DC
- Surface mount



### Technical Data

#### General specifications

Switching function		Normally open/closed (NO/NC)
Output type		Two-wire
Rated operating distance	$s_n$	50 mm
Installation		non-flush
Output polarity		DC
Assured operating distance	$s_a$	0 ... 40.5 mm
Actual operating distance	$s_r$	45 ... 55 mm typ.
Reduction factor $r_{AI}$		0.4
Reduction factor $r_{Cu}$		0.35
Reduction factor $r_{304}$		0.8

#### Nominal ratings

Operating voltage	$U_B$	10 ... 60 V
Switching frequency	$f$	0 ... 80 Hz
Hysteresis	$H$	0 ... 20 typ. 5 %
Reverse polarity protection		reverse polarity tolerant
Short-circuit protection		pulsing
Voltage drop	$U_d$	$\leq 6$ V
Operating current	$I_L$	2 ... 200 mA
Off-state current	$I_r$	0.4 ... 1 mA typ. 0.6 mA
Time delay before availability	$t_v$	$\leq 300$ ms
Switching state indicator		LED, yellow

#### 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		CCC approval / marking not required for products rated $\leq 36$ V

#### Ambient conditions

Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Storage temperature		-25 ... 85 °C (-13 ... 185 °F)

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

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**Technical Data****Mechanical specifications**

Connection type	screw terminals
Core cross-section	up to 2.5 mm <sup>2</sup>
Housing material	PBT/metal
Sensing face	PBT
Degree of protection	IP67