



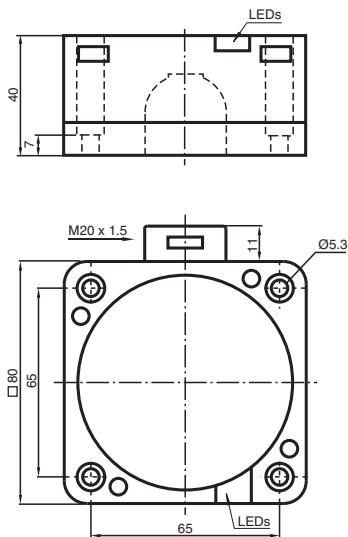
Inductive sensor

NCN50-FP-Z2-P4

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



Dimensions



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_{Al}		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

Technical Data

Hysteresis	H	0 ... 20 typ. 5 %
Reverse polarity protection		reverse polarity tolerant
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 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	≤ 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 ≤ 36 V

Ambient conditions

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

Mechanical specifications

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

Connection

