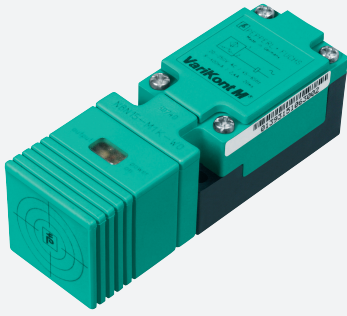


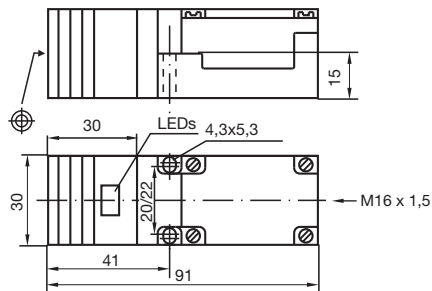


Inductive sensor NCN15-M1K-Z2

- 15 mm non-flush
- 2-wire DC



Dimensions



Technical Data

General specifications

Switching function		Normally open/closed (NO/NC)
Output type		Two-wire
Rated operating distance	s_n	15 mm
Installation		non-flush
Output polarity		DC
Assured operating distance	s_a	0 ... 12.15 mm
Actual operating distance	s_r	13.5 ... 16.5 mm typ. 15 mm
Reduction factor r_{Al}		0.38
Reduction factor r_{Cu}		0.36
Reduction factor r_{304}		0.7
Output type		2-wire

Nominal ratings

Operating voltage	U_B	5 ... 60 V DC
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Technical Data

Switching frequency	f	0 ... 150 Hz
Hysteresis	H	1 ... 10 typ. 4 %
Reverse polarity protection		reverse polarity tolerant
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 5 V
Voltage drop at I_L		
Voltage drop $I_L = 20$ mA, switching element on	U_d	3.4 ... 5 V typ. 4.3 V
Operating current	I_L	2 ... 200 mA
Lowest operating current	I_m	2 mA
Off-state current	I_r	0 ... 1 mA typ. 0.7 mA
Time delay before availability	t_v	≤ 20 ms
Switching state indicator		LED, yellow
Pre-fault indicator		LED, red

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		Certified by China Compulsory Certification (CCC)

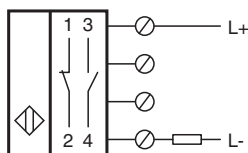
Ambient conditions

Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Storage temperature		-40 ... 90 °C (-40 ... 194 °F)

Mechanical specifications

Connection type		screw terminals
Core cross-section		max. 2.5 mm ²
Housing material		PBT
Sensing face		PBT
Degree of protection		IP67

Connection



Accessories

	MH 04-3742A	Mounting aid for VariKont and -M1K-
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