



### Model Number

NCN15-M1K-Z0

## Technical Data

### General specifications

Switching element function		DC	NO
Rated operating distance	$s_n$	15 mm	
Installation		non-flush	
Assured operating distance	$s_a$	0 ... 12.15 mm	
Reduction factor $r_{Al}$		0.38	
Reduction factor $r_{Cu}$		0.36	
Reduction factor $r_{304}$		0.7	

### Nominal ratings

Operating voltage	$U_B$	5 ... 60 V
Switching frequency	$f$	0 ... 150 Hz
Hysteresis	$H$	1 ... 10 typ. 4 %
Reverse polarity protection		reverse polarity tolerant
Short-circuit protection		pulsing
Voltage drop	$U_d$	$\leq 5$ V
Voltage drop at $I_L$		Voltage drop $U_L = 20$ mA, switching element 3.4 ... 5 V typ. 4.3 V on $U_d$

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	$t_v$	$\leq 20$ ms
Switching state indicator		LED, yellow
Pre-fault indicator		LED, red

### Standard conformity

Standards	IEC / EN 60947-5-2:2004
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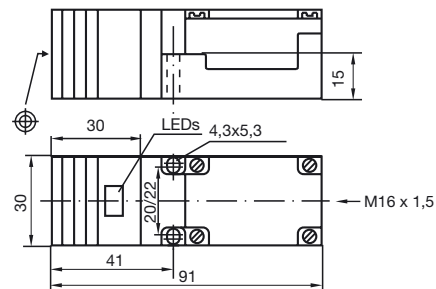
### Ambient conditions

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

### Mechanical specifications

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

## Dimensions



## Electrical Connection

