



Model Number

NCN3-F25-N4-K

Features

- For installation in housing
- EC-Type Examination Certificate TÜV99 ATEX 1479X
- Pluggable cage clamp terminals

Technical Data

General specifications

Switching function		2 x normally closed (NC)
Output type		NAMUR
Rated operating distance	s_n	3 mm
Installation		flush mountable
Assured operating distance	s_a	0 ... 2.43 mm
Actual operating distance	s_r	2.6 ... 2.6 mm typ.
Reduction factor r_{AI}		0.5
Reduction factor r_{304}		1
Reduction factor r_{St37}		1.2
Output type		2-wire

Nominal ratings

Nominal voltage	U_o	8 V
Switching frequency	f	0 ... 1500 Hz
Hysteresis	H	typ. 5 %
Reverse polarity protection		reverse polarity protected
Short-circuit protection		yes

Design data

Current consumption		
Measuring plate not detected		≥ 3 mA
Measuring plate detected		≤ 1 mA
Time delay before availability	t_v	≤ 1 ms
Switching state indicator		LED, yellow

Standard conformity

EMC in accordance with		NE 21
Standards		DIN EN 60947-5-6 (NAMUR)

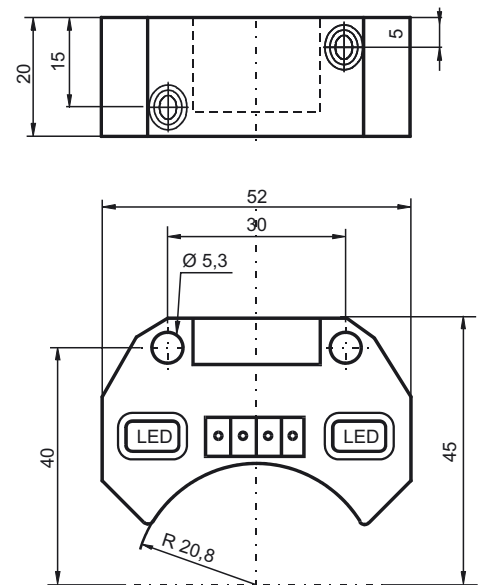
Ambient conditions

Ambient temperature		-25 ... 100 °C (-13 ... 212 °F)
Storage temperature		-40 ... 100 °C (-40 ... 212 °F)

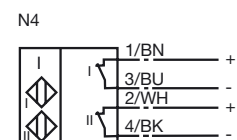
Mechanical specifications

Core cross-section (system side)		up to 2.5 mm ²
Housing material		PBT
Sensing face		PBT
Degree of protection		IP20
Note		Installation in housing

Dimensions



Electrical Connection



ATEX

Data for Ex areas

Effective internal inductivity	C_i	≤ 100 nF
Effective internal inductance	L_i	≤ 100 μ H