



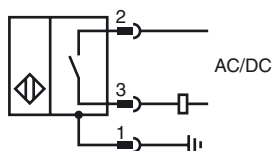
Model Number

NCN100-F23-US-V93

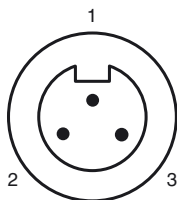
Features

- 100 mm non-flush
- 2-wire AC/DC

Connection



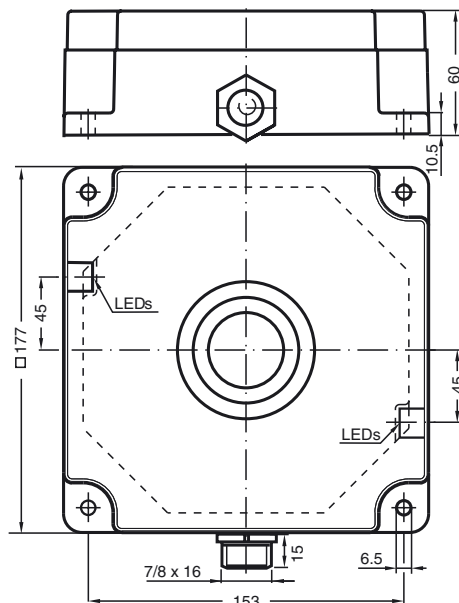
Pinout



Wire colors

1	GN	(green)
2	BK	(black)
3	WH	(white)

Dimensions



Technical Data

General specifications	
Switching element function	NO contact
Rated operating distance	s_n 100 mm
Installation	non-flush
Output polarity	AC
Assured operating distance	s_a 0 ... 81 mm
Reduction factor r_{Al}	0.37
Reduction factor r_{Cu}	0.35
Reduction factor r_{304}	1
Reduction factor r_{Brass}	0.47

Nominal ratings

Installation conditions	
A	60 mm
B	300 mm
C	300 mm
D	80 mm
E	30 mm
F	180 mm
Operating voltage DC	20 ... 300 V
Operating voltage AC	20 ... 253 V
Switching frequency	f 10 Hz
Hysteresis	H 3 ... 15 % 5 % typical
Short-circuit protection	pulsing
Operating current	I_L 8 ... 300 mA
Off-state current	I_r
Residual voltage	U_r at maximum load ≤ 5 V
No-load supply current	$I_0 \leq 1$ mA
Time delay before availability	$t_v \leq 90$ ms
Operating voltage display	LED, green
Indication of the switching state	LED, red

Ambient conditions

Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
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Mechanical specifications

Connection type	Device connector 7/8"-16 UN , 3-pin
Housing material	ABS (TSG), bottom Al
Sensing face	ABS
Housing base	aluminum
Protection degree	IP67

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)

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