



Model Number

NCN100-F23-US-V93

Features

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

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

Operating voltage DC	U_B	20 ... 300 V
Operating voltage AC	U_B	20 ... 253 V
Switching frequency	f	10 Hz
Hysteresis	H	3 ... 15 % 5 % typical
Short-circuit protection		pulsing
Voltage drop at I_L		≤ 5 V
Voltage drop $I_L = 200$ mA, switching element on U_d		
Operating current	I_L	8 ... 300 mA
Off-state current	I_r	≤ 1 mA
Off-state current $U_B = 1.1 \times U_e$, switching element off		
Residual voltage	U_r	at maximum load ≤ 5 V
No-load supply current	I_0	≤ 1 mA
Time delay before availability	t_v	≤ 90 ms
Operating voltage indicator		LED, green
Switching state indicator		LED, red

Ambient conditions

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

Mechanical specifications

Connection type		Connector 7/8"-16 UN , 3-pin
Housing material		ABS (TSG), bottom Al
Sensing face		ABS
Housing base		aluminum
Degree of protection		IP67

General information

Note		The mounting conditions must be checked on a case-by-case basis depending on the application in question.
------	--	---

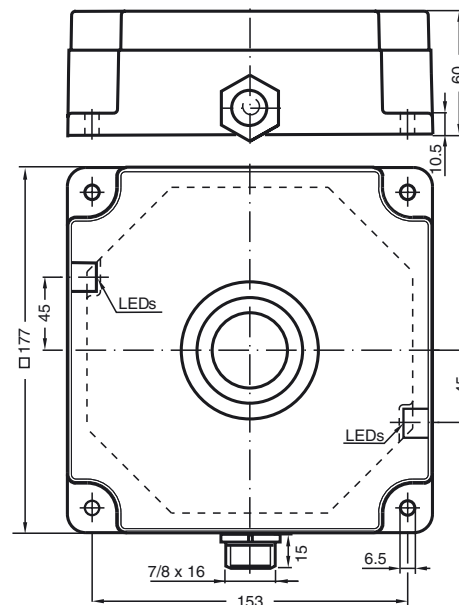
Compliance with standards and directives

Standard conformity		
Standards		EN 60947-5-2:2007 IEC 60947-5-2:2007

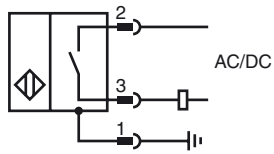
Approvals and certificates

CSA approval		cCSAus Listed, General Purpose
--------------	--	--------------------------------

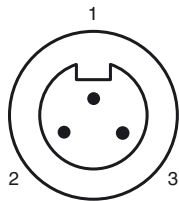
Dimensions



Electrical Connection



Pinout



Wire colors

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