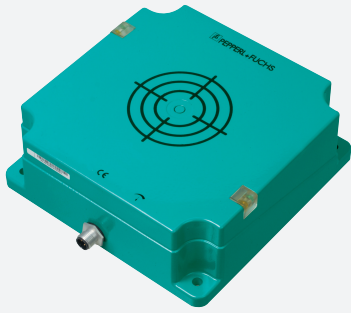
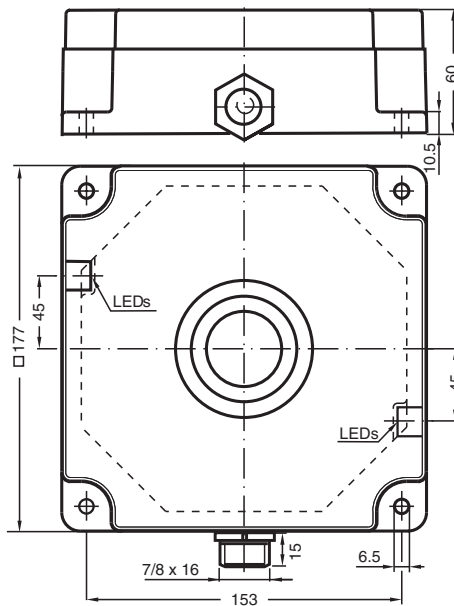




Inductive sensor NCN100-F23-US-V93

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

Dimensions



Technical Data

General specifications

Switching function		Normally open (NO)
Output type		Two-wire
Rated operating distance	s_n	100 mm
Installation		non-flush
Output polarity		AC/DC
Assured operating distance	s_a	0 ... 81 mm
Actual operating distance	s_r	90 ... 110 mm typ.
Reduction factor r_{AI}		0.37
Reduction factor r_{Cu}		0.35

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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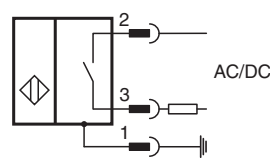
Singapore: +65 6779 9091
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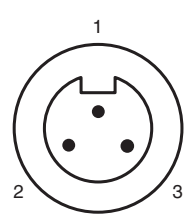
Technical Data

Reduction factor r_{304}		0.7
Reduction factor r_{Brass}		0.47
Output type		2-wire
Nominal ratings		
Switching frequency	f	10 Hz
Hysteresis	H	3 ... 15 % 5 % typical
Short-circuit protection		pulsing
Voltage drop at I_L		
Voltage drop $I_L = 200$ mA, switching element on	U_d	≤ 5 V
Operating current	I_L	8 ... 300 mA
Off-state current	I_r	
Off-state current $U_B = 1.1 \times U_e$, switching element off		0 ... 1 mA
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
Electrical specifications		
Rated operating voltage	U_e	24 ... 250 V DC / 24 ... 230 V AC
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Connection type		Connector plug 7/8 inch-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.

Connection



Connection Assignment



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Wire colors

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

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