



872C AC Cable Style
8mm



Specifications

Load Current	100mA max
Minimum Load Current	5mA
Leakage Current	≤2mA
Operating Voltage	24-240V AC
Voltage Drop	≤5V
Repeatability	≤5%
Hysteresis	≤10% typical
False Pulse Protection	Incorporated
Transient Noise Protection	Incorporated
Approvals	CE marked for all applicable directives
Enclosure	NEMA 1, 4, 6, 12, 13 IP67 Nickel-plated brass barrel
Connections	Cable: 2m (6.5ft) length 3-conductor PVC
LED	Red: Output Energized, 360° visibility
Operating Temperature	-25°C to +70°C (-13°F to +158°F)
Shock	30g, 11ms
Vibration	55Hz, 1mm amplitude, 3 planes

Features

- 2-wire operation
- 360° LED visibility
- 24–240V AC
- Normally open or normally closed output
- False pulse and transient noise protection
- Shielded and unshielded models available
- CE marked for all applicable directives

Correction Factors

Target Material	Correction Factor
Steel	1.0
Stainless Steel	0.9
Brass	0.5
Aluminum	0.45
Copper	0.4

872C 2-Wire AC

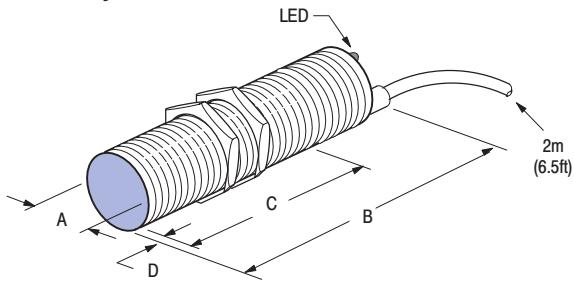
Plastic Face/Threaded Nickel-Plated Brass Barrel

Selection Guide

Barrel Diameter	Nominal Sensing Distance mm (inches)	Shielded	Output Configuration	Switching Frequency (Hz)	Catalog Number
8mm	1.5 (0.06)	Y	N.O.	25	872C-A1N8-A2
			N.C.		872C-A1C8-A2
	N	N.O.	872C-A2N8-A2		
		N.C.	872C-A2C8-A2		

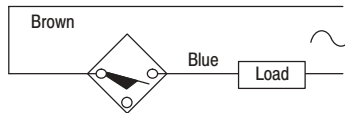
Dimensions—mm (inches)

Cable Style

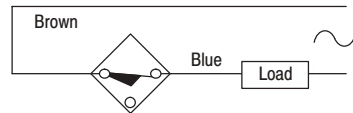


Wiring Diagrams

Normally Open



Normally Closed



NOTE: Load can be switched to brown wire.



ATTENTION: A load must be used when power is applied to AC sensors. Wiring without a load will cause permanent damage.

Thread Size	Shielded	mm (inches)			
		A	B	C	D
M8 X 1	Y	8.0 (0.32)	47.0 (1.85)	36.0 (1.42)	—
	N	6.0 (0.24)	47.0 (1.85)	36.0 (1.42)	6.0 (0.24)