



871FM AC Cable Style
28 x 16 x 11mm
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871FM AC Cable Style
40 x 26 x 12mm
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Specifications

	28 x 16 x 11mm	40 x 26 x 12mm
Load Current	≤100mA	≤180mA
Minimum Load Current	4mA	
Leakage Current	<2mA	
Operating Voltage	90-250V AC	
Voltage Drop	≤15V	
Repeatability	≤5%	
Hysteresis	10% typical	
False Pulse Protection	Incorporated	
Transient Noise Protection	Incorporated	
Approval	CE marked for all applicable directives	
Enclosure	NEMA 4, IP67 (IEC 529) Plastic	
Connections	Cable: 2m (6.5ft) length 2-conductor PVC	
LED	Orange: Output Energized	
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
- 2-conductor connection
- 90-250V AC
- Normally open or normally closed output
- False pulse and transient noise protection
- CE marked for all applicable directives

Correction Factors

Target Material	Correction Factor
Steel	1.0
Stainless Steel	0.85
Brass	0.55
Aluminum	0.50
Copper	0.45

Allen-Bradley HMIs

871FM 2-Wire AC

Miniature Flat Pack Style

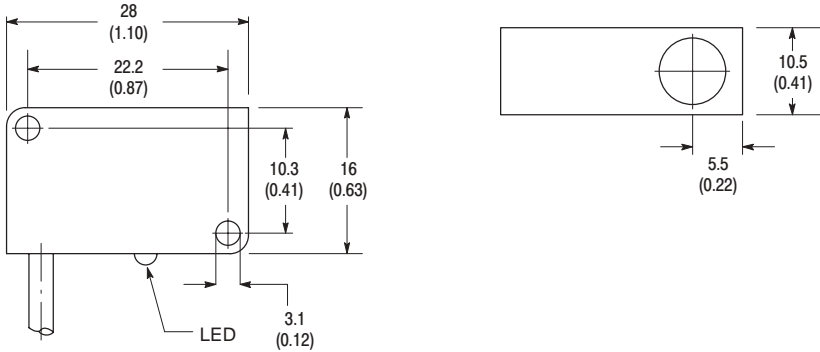
Product Selection

Sensor Size	Sensing Direction	Nominal Sensing Distance mm (inches)	Shielded	Output Configuration	Switching Frequency (Hz)	Catalog Number Cable Style
28 x 16 x 11mm	Side	2 (0.08)	Y	N.O.	10	871FM-A2N11-A2
40 x 26 x 12mm				N.C.		871FM-A2C12-A2
		4 (0.16)	N	N.O.		871FM-A4N12-A2

Dimensions—mm (inches)

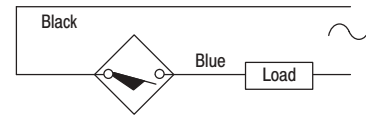
Cable Style

28 x 16 x 11mm



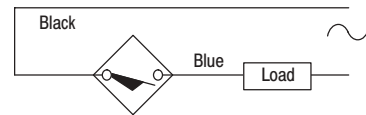
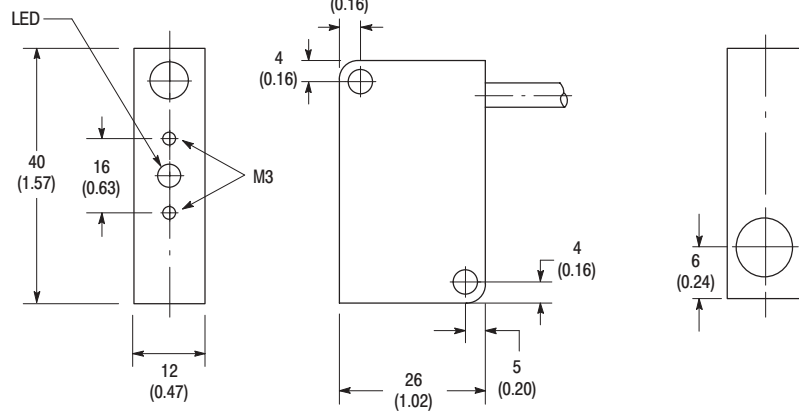
Wiring Diagram

Cable Style



Note: Load can be switched to black wire.

40 x 26 x 12mm



Note: Load can be switched to black wire.

Mounting Hole Dimensions

