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Bul. 871TM Inductive Proximity Sensors

Bul. 871TM Inductive Proximity Sensors



Product Selection

3-Wire DC

- 3-wire operation
- 3-conductor or 4-pin connection
- 10...30V DC
- Short circuit, overload, false pulse, reverse polarity, and transient noise protection
- Normally open output
- UL Listed, CSA Certified, and CE Marked for all applicable directives



Connection Type	Barrel Diameter [mm]	Nominal Sensing Distance [mm (in.)]	Shielded	Output Configuration		Switching Frequency [Hz]	Cat. No.	
ToughLink™ cable	18	5 (0.20)	Yes	N.O.	PNP	60	871TM-DH5NP18-H2	
		8 (0.31)	No			40	871TM-DH8NP18-H2	
Micro QD style	12	2 (0.08)	Yes			75	*	871TM-DH2NP12-D4
		4 (0.16)	No			70	*	871TM-DH4NP12-D4
	18	5 (0.20)	Yes			60	*	871TM-DH5NP18-D4
		8 (0.31)	No			40	*	871TM-DH8NP18-D4
	30	10 (0.39)	Yes			40	*	871TM-

							DH10NP30-D4
		15 (0.59)	No			30	* 871TM-DH15NP30-D4

3-Wire DC Long Range

- 3-wire operation
- 4-pin connection
- 10...30V DC
- Short circuit, overload, false pulse, reverse polarity, and transient noise protection
- Normally open output
- Equal sensing for both steel and aluminum
- CE Marked for all applicable directives



Connection Type	Barrel Diameter [mm]	Nominal Sensing Distance [mm (in.)]	Shielded	Output Configuration		Switching Frequency [Hz]	Cat. No. *
Micro QD Style	8	3 (0.12)	Yes	N.O.	PNP	700	871TM-M3NP8-D4
	12	6 (0.23)				400	871TM-M6NP12-D4
	18	10 (0.39)				200	871TM-M10NP18-D4
	30	20 (0.79)				80	871TM-M20NP30-D4

QD Cordsets

	Connector Style	Cat. No.
*	2 m (6.5 ft) DC micro QD cordset, straight, 4-pin, 2 m	889D-F4AC-2

2-Wire AC/DC

- 2-wire operation
- 3-pin connection
- 20...250V AC/DC

- Normally open output
- Short circuit, overload, false pulse, reverse polarity, and transient noise protection
- UL Listed, CSA Certified, and CE Marked for all applicable directives



Connection Type	Barrel Diameter [mm]	Nominal Sensing Distance [mm (in.)]	Shielded	Output Configuration	Switching Frequency [Hz]	Cat. No.	
Mini QD	18	5 (0.20)	Yes	N.O.	20	*	871TM-B5N18-N3
		8 (0.31)	No		15	*	871TM-B8N18-N3
Micro QD	12	3 (0.12)	Yes		35	‡	871TM-B3N12-R3
		4 (0.16)	No		20	‡	871TM-B4N12-R3
	18	5 (0.20)	Yes		20	‡	871TM-B5N18-R3
		8 (0.31)	No		15	‡	871TM-B8N18-R3
	30	10 (0.39)	Yes		15	‡	871TM-B10N30-R3
		15 (0.59)	No		12	‡	871TM-B15N30-R3

2-Wire AC/DC PLC Interfacer

- Designed for low load current PLC, I/O, and PC applications
- 2-wire operation
- 3-pin connection
- 20...250V AC/DC
- Normally open or normally closed output
- False pulse, transient noise, and radio frequency protection
- UL Listed, CSA Certified, and CE Marked for all applicable directives



Connection Type	Barrel Diameter [mm]	Nominal Sensing Distance [mm (in.)]	Shielded	Output Configuration	Switching Frequency [Hz]	Cat. No.‡
Micro QD style	12	2 (0.08)	Yes	N.O.	75	871TM-BH2N12-R3
		4 (0.16)	No		35	871TM-BH4N12-R3
	18	5 (0.20)	Yes		65	871TM-BH5N18-R3
		8 (0.31)	No		30	871TM-BH8N18-R3
	30	10 (0.39)	Yes		45	871TM-BH10N30-R3
		15 (0.59)	No		20	871TM-BH15N30-R3

QD Cordsets

	Connector Style	Cat. No.
★	6 ft mini QD cordset	889N-F3AFC-6F
‡	2 m (6.5 ft) DC micro QD cordset	889R-F3ECA-2

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