

Inductive Proximity Sensors

872C/872CT WorldProx™ Extended Sensing 3-Wire DC

Plastic Face/ Threaded Nickel-Plated Brass or Stainless Steel Barrel

Product Selection

Barrel Diameter [mm]	Nominal Sensing Distance [mm (in.)]	Shielded	Output Configuration		Switching Frequency [Hz]	Cat. No.			
						Cable Style ★	Mini QD Style ★	Micro QD Style ★	Pico QD Style ★
8	3 (0.12)	Yes	N.O.	NPN	2500	872C-M3NN8-E2	—	872C-M3NN8-D4	872C-M3NN8-P3
				PNP		872C-M3NP8-E2	—	872C-M3NP8-D4	872C-M3NP8-P3
			N.C.	NPN		872C-M3CN8-E2	—	872C-M3CN8-D4	872C-M3CN8-P3
				PNP		872C-M3CP8-E2	—	872C-M3CP8-D4	872C-M3CP8-P3
	4 (0.16)	No	N.O.	NPN		872C-N4NN8-E2	—	872C-N4NN8-D4	872C-N4NN8-P3
				PNP		872C-N4NP8-E2	—	872C-N4NP8-D4	872C-N4NP8-P3
			N.C.	NPN		872C-N4CN8-E2	—	872C-N4CN8-D4	872C-N4CN8-P3
				PNP		872C-N4CP8-E2	—	872C-N4CP8-D4	872C-N4CP8-P3
12	4 (0.16)	Yes	N.O.	NPN	1300	872C-M4NN12-E2	—	872C-M4NN12-D4	872C-M4NN12-P3
				PNP		872C-M4NP12-E2	—	872C-M4NP12-D4	872C-M4NP12-P3
			N.C.	NPN		872C-M4CN12-E2	—	872C-M4CN12-D4	872C-M4CN12-P3
				PNP		872C-M4CP12-E2	—	872C-M4CP12-D4	872C-M4CP12-P3
	8 (0.31)	No	N.O.	NPN		872C-N8NN12-E2	—	872C-N8NN12-D4	872C-N8NN12-P3
				PNP		872C-N8NP12-E2	—	872C-N8NP12-D4	872C-N8NP12-P3
			N.C.	NPN		872C-N8CN12-E2	—	872C-N8CN12-D4	872C-N8CN12-P3
				PNP		872C-N8CP12-E2	—	872C-N8CP12-D4	872C-N8CP12-P3
18	8 (0.31)	Yes	N.O.	NPN	1500	872C-M8NN18-E2	872C-M8NN18-N4	872C-M8NN18-D4	872C-M8NN18-P3
				PNP		872C-M8NP18-E2	872C-M8NP18-N4	872C-M8NP18-D4	872C-M8NP18-P3
			N.C.	NPN		872C-M8CN18-E2	872C-M8CN18-N4	872C-M8CN18-D4	872C-M8CN18-P3
				PNP		872C-M8CP18-E2	872C-M8CP18-N4	872C-M8CP18-D4	872C-M8CP18-P3
	12 (0.47)	No	N.O.	NPN		872C-N12NN18-E2	872C-N12NN18-N4	872C-N12NN18-D4	872C-N12NN18-P3
				PNP		872C-N12NP18-E2	872C-N12NP18-N4	872C-N12NP18-D4	872C-N12NP18-P3
			N.C.	NPN		872C-N12CN18-E2	872C-N12CN18-N4	872C-N12CN18-D4	872C-N12CN18-P3
				PNP		872C-N12CP18-E2	872C-N12CP18-N4	872C-N12CP18-D4	872C-N12CP18-P3
30	15 (0.59)	Yes	N.O.	NPN	1000	872C-M15NN30-E2	872C-M15NN30-N4	872C-M15NN30-D4	—
				PNP		872C-M15NP30-E2	872C-M15NP30-N4	872C-M15NP30-D4	—
			N.C.	NPN		872C-M15CN30-E2	872C-M15CN30-N4	872C-M15CN30-D4	—
				PNP		872C-M15CP30-E2	872C-M15CP30-N4	872C-M15CP30-D4	—
	20 (0.79)	No	N.O.	NPN		872C-N20NN30-E2	872C-N20NN30-N4	872C-N20NN30-D4	—
				PNP		872C-N20NP30-E2	872C-N20NP30-N4	872C-N20NP30-D4	—
			N.C.	NPN		872C-N20CN30-E2	872C-N20CN30-N4	872C-N20CN30-D4	—
				PNP		872C-N20CP30-E2	872C-N20CP30-N4	872C-N20CP30-D4	—
Recommended mating cable, 2 m (6.5 ft). See the <i>On-Machine Connectivity</i> catalog for details and additional lengths.						—	889N-F4AFC-6F	889D-F4AFC-2	889P-F3AB-2

★ Cat. no. listed is for a standard nickel-plated brass barrel. For a stainless steel barrel, add a **T** to the cat. no. **Example:** Cat. No. 872C-M3NN8-E2 becomes Cat. No. 872CT-M3NN8-E2.

Note: Preferred availability designation in table above applies to nickel-plated brass model only.

Cable Options

E2 at the end of cat. no. designates PVC cable 2 m in length. Replace **E2** with **E5** or **E10** for 5 or 10 m length.

For polyurethane cable replace **E2** with **J2**, **J5**, or **J10** for 2, 5, or 10 m length.

For PVC pigtail cable with integral micro QD style connector (4-pin DC male) replace **E2** with **FD02**, **FD05**, or **FD10** for 0.2, 0.5, or 1.0 m length.

Cable Length	PVC	PUR
2 m	E2	J2
5 m	E5	J5
10 m	E10	J10

Pigtail Cable Length	PVC
0.2 m	FD02
0.5 m	FD05
1.0 m	FD10