



Tubular Proximity Sensors

- LED status indicator(s), unless noted in table
- Inductive sensors: for ferrous metal targets
- Capacitive sensors: for metallic and nonmetallic targets

Prox. Sensor Dia.	Max. Detecting Distance	Prox. Sensor Elec. Connection	Output Mode	Mfr. Model	Item No.
Shielded, Inductive, Plastic Case					
10 to 30V DC Power Requirement					
8 mm	1.5 mm	2m Cable	NC	E2F-X1R5E2	2AKF4
12 mm	2 mm	2m Cable	NC	E2F-X2E2	2AKF3
18 mm	5 mm	2m Cable	NC	E2F-X5E2	2AKF2
30 mm	10 mm	2m Cable	NC	E2F-X10E2	2AKE9
30 mm	10 mm	2m Cable	NO	E2F-X10F1	2AKF1
20 to 264V AC Power Requirement					
12 mm	2 mm	2m Cable	NC	E2F-X2Y2	2AKE7
18 mm	5 mm	2m Cable	NC	E2F-X5Y2-US	2AKE6
Shielded, Inductive, Nickel Plated Brass Case					
10 to 30 V DC Power Requirement					
12 mm	2 mm	Cable	NC	E2E-X2C12 2M	798J25
12 mm	2 mm	Cable	NO	E2E-X2C112 2M	798K01
30 mm	10 mm	Cable	NO	E2E-X10C130 2M	798K23
12 to 24V DC Power Requirement					
8 mm	2 mm	2m Cable	NO	E2E-X2D1N	6C817
12 mm	3 mm	2m Cable	NO	E2E-X3D1S	6C818
12 mm	3 mm	2m Cable	NO	E2E-X3D1-N	2AKC2
18 mm	7 mm	2m Cable	NO	E2E-X7D1S	6C819
18 mm	7 mm	2m Cable	NO	E2E-X7D1-N	2AKC1
30 mm	10 mm	2m Cable	NO	E2E-X10D1-N	2AKB9
24 to 240V AC Power Requirement					
12 mm	2 mm	4 Pin M12 Connector	NO	E2E-X2Y1-M1	1EA56
12 mm	2 mm	4 Pin M12 Connector	NO	E2E-X2Y1-M4	1EA58
12 mm	2 mm	4 Pin M12 Connector	NO	E2E-X2Y1-M4	1EA68
12 mm	2 mm	2m Cable	NO	E2E-X2Y1	2A186
12 mm	2 mm	2m Cable	NO	E2E-X2Y1	6C796
12 mm	2 mm	2m Cable	NC	E2E-X2Y2	6C797
12 mm	2 mm	2m Cable	NC	E2E-X2Y2	6C810
18 mm	5 mm	4 Pin M12 Connector	NO	E2E-X5Y1-M1	1EA57
18 mm	5 mm	4 Pin M12 Connector	NO	E2E-X5Y1-M4	1EA59

* No LED status indicator. † Includes L-shaped bracket.



Inductive Proximity Sensors

- Temp. range: -13° to 158°F

Note: Mounting brackets are available; call 1-800-GRAINGER (472-4643).

On Grainger.com, search for "proximity sensor mounting brackets."

Prox. Sensor Power Req.	Prox. Sensor Output Circuit Type	Max. Detecting Distance	Output Mode	Max. Current Load	L	W	D	Mfr. Model	Item No.
Subminiature Flat-Pack Style									
10 to 30V DC	3 Wire NPN	3 mm	NO	100mA	27 mm	10 mm	6 mm	TL-W3MC1	6C829
10 to 30V DC	3 Wire NPN	5 mm	NO	100mA	31 mm	18 mm	10 mm	TL-W5MC1	6C830
10 to 30V DC	3 Wire NPN	5 mm	NO	200mA	52 mm	25 mm	10 mm	TL-W5E1	6C831
10 to 30V DC	3 Wire NPN	5 mm	NC	200mA	52 mm	25 mm	10 mm	TL-W5E2	6C832
10 to 30V DC	3 Wire NPN	20 mm	NO	200mA	53 mm	40 mm	23 mm	TL-W20ME1	6C833
10 to 30V DC	3 Wire NPN	20 mm	NC	200mA	73 mm	40 mm	23 mm	TL-W20ME2	6C834

Telemecanique XS Series Proximity Sensors

- 40mm square body
- Plastic case

- Temp. range: -13° to 158°F

UL Listed, CSA and CE Certified.

Prox. Sensor Power Req.	Prox. Sensor Output Circuit Type	Max. Detecting Distance	Output Mode	Max. Current Load	Mfr. Model	Item No.
Cubic C2 Shielded						
12 to 48V DC	3 Wire PNP	20 mm	NO/NC	200mA	XS8C2A1PCM12	32J310
24 to 240V AC/DC	2 Wire	15 mm	NO	200mA	XS7C2A1MAU20	32J303
24 to 240V AC/DC	2 Wire	20 mm	NO	200mA	XS8C2A1MAU20	32J304
Cubic C2 Unshielded						
12 to 48V DC	3 Wire PNP	40 mm	NO/NC	200mA	XS8C2A4PCM12	32J312
24 to 240V AC/DC	2 Wire	40 mm	NO	200mA	XS8C2A4MAU20	32J305
12 to 24V DC	2 Wire Analog	25 mm	4 to 20mA	20mA	XS9C2A2A2M12	32J318
12 to 24V DC	3 Wire Analog	25 mm	4 to 20mA	10mA	XS9C2A2A1M12	32J317
Rectangular C4 Shielded						
12 to 48V DC	4 Wire PNP	20 mm	NO/NC	200mA	XS8C4A1PCN12	32J314
24 to 240V AC/DC	2 Wire	15 mm	NO/NC	300/200mA	XS7C4A1MPN12	32J306
24 to 240V AC/DC	2 Wire	20 mm	NO/NC	300/200mA	XS8C4A1MPN12	32J308
Rectangular C4 Unshielded						
12 to 48V DC	4 Wire PNP	40 mm	NO/NC	200mA	XS8C4A4PCN12	32J316
24 to 240V AC/DC	2 Wire	40 mm	NO/NC	300/200mA	XS8C4A4MPN12	32J309
12 to 24V DC	2 Wire Analog	25 mm	4 to 20mA	20mA	XS9C4A2A2N12	32J321
12 to 24V DC	3 Wire Analog	25 mm	0 to 10V	10mA	XS9C4A2A1N12	32J319