

M12 Plug-In Range – 3 Wire dc E2E Series



- Cylindrical 3-wire dc inductive proximity switches with IP67 sealed metal body
- Strong metal M12 4-pin plug connection (one pin not used)
- Plug connection reduces installation and maintenance time
- Short circuit and reverse polarity protection
- Red LED operation indicator

Output	Normally open, PNP or NPN	Sealing	IP67
Output rating	200mA	Response frequency	M12 = 1.5kHz, M18 = 0.6kHz, M30 = 0.4kHz
Leakage current	Less than 5µA	Temperature range	-20°C to +70°C
Supply voltage	12 to 24V dc		

Sensing Distance	Thread Size	Thread Length	Overall Length	Output	Mftrs. List No.	Order Code
2mm	M12	33	48	NPN	E2EGX2C1-M1	178-846
2mm	M12	33	48	PNP	E2EGX2B1-M1	178-847
5mm	M18	38	53	NPN	E2EGX5C1-M1	178-848
5mm	M18	38	53	PNP	E2EGX5B1-M1	178-849
10mm	M30	43	48	NPN	E2EGX10C1-M1	178-850
10mm	M30	43	48	PNP	E2EGX10B1-M1	178-851

FOR SUITABLE M12 SENSOR CONNECTORS, SEE PAGE 1394

SEN67X

Size	Sensing Distance	Output	Order Code	Price Each		
				1+	5+	10+
M12	2mm	NPN	178-846			
M12	2mm	PNP	178-847			
M18	5mm	NPN	178-848			
M18	5mm	PNP	178-849			
M30	10mm	NPN	178-850			
M30	10mm	PNP	178-851			

Square, 2 Wire ac – TL-YS



- Two-wire supply 90 to 250V ac
- Reverse polarity protection
- Red LED operation indicator
- Screw terminal connections

H = 40, W = 40, D = 114

Sensing distance	15mm	Sealing	IP66
Supply voltage	90 to 250V ac	Response frequency	20Hz
Output rating (normally open)	500mA	Temperature range	-25°C to +70°C

SEN165X

Mftrs. List No.	Order Code	Price Each		
		1+	5+	10+
TLYS15MY1	176-402			

4mm, M5 – Prewired, 3 Wire dc



- Miniature cylindrical sensors
- Stainless steel body
- Short circuit and reverse polarity protection
- LED indication of operation status
- Suitable for flush mounting
- Choice of 4mm diameter unthreaded or M5 threaded

179-266/7 L = 27, Dia = 4
179-268/9 L = 27, Thread = M5

Output	Normally open, NPN or PNP	Frequency	2000Hz
Output rating	150mA	Sealing	IP67
Operating voltage	10 to 30V dc	Operating temperature	-25°C to +70°C
Sensing distance	0.8mm		

Mftrs. List No. 84717100 = 179-266, 84717000 = 179-267, 84717102 = 179-268, 84717002 = 179-269.

SEN62X

Size	Sensing Distance	Output	Order Code	Price Each		
				1+	5+	10+
4mm dia.	0.8mm	NPN	179-266			
4mm dia.	0.8mm	PNP	179-267			
M5	0.8mm	NPN	179-268			
M5	0.8mm	PNP	179-269			

Miniature – 3-Wire dc, 2-Wire ac

proxistor®



- Miniature rectangular inductive proximity switches suitable for flush fitting
- LED operation indicator on side opposite to sensing face

Body H = 26, W = 12, D = 40, Fixing centres = 18 32, cable L = 2m

Supply voltage	ac type: 45 to 250V ac. dc types: 5 to 30V dc
Output	Normally open
Output rating	ac type: 8 to 350mA (2-wire thyristor) dc types: 0.1 to 250mA @ 25V dc (3-wire NPN or PNP transistor)
Sensing distance	2mm
Temperature range	-30°C to +100°C
Protection	ac type IP65, dc types IP67

Mftrs. List No's. INO-002-GSF = 179-313, IPO-002-GSF = 179-314, IAO-002-GSF = 179-315

SEN64X

Sensing Distance	Output	Order Code	Price Each		
			1+	5+	10+
2mm	NPN	179-313			
2mm	PNP	179-314			
2mm	AC	179-315			

V3 Style Miniature – 3-Wire DC

proxistor®



- Precise mounting, easy to fit
- Similar housing to V3 microswitch
- LED operation indicator on side opposite to sensing face
- Designed to be flush mounted
- Ideal replacement to microswitches

Body H = 16, W = 10.6, D = 28
Fixing centres = 10.3 22.2, Cable L = 2m

Supply voltage	5 to 30V dc	Switching frequency	1000Hz max.
Output	Normally open, 250mA max. load	Temperature range	-30°C to +100°C
Sensing distance	2mm	Protection	IP67

Mftrs. List Nos: IPO-002-VSF = 721-3633, INO-002-VSF = 721-3645

SEN264

Sensing Distance	Type	Order Code	Price Each		
			1+	5+	10+
2mm	PNP	721-3633			
2mm	NPN	721-3645			

Proximity Switch Testers

proxistor®



- Suitable for testing 2 and 3 wire proximity switches, including inductive, photo-electric, capacitive and ultrasonic
- Models available for proximity switches operating from either DC or AC supply
- Ideally suited to 'point of use' testing
- Audio and visual indication
- Supplied and fitted with batteries, ready for use
- AC unit has short-circuit and over-voltage protection

Note: AC tester is suitable for 2-wire units and 3-wire units with negative earth

H = 104, W = 60, D = 29

Indication of proximity switch function	NPN or PNP (DC type), normally closed or normally open, light-on or dark-on operation
Auto-on/off feature	Unit is powered only when a proximity switch is connected
Battery	DC = 2 9V (PP3), AC = 1 9V (PP3)

SEN267

Type	Mftrs. List No.	Order Code	Price Each		
			1+	5+	10+
DC	MU2-DC	721-3803			
AC	MU2-AC	723-0394			

Continued

Metric Values

Yes, we're metric! All dimensions appear in metric values unless otherwise stated.