

## OMRON E2E2 SERIES: LONG BARREL INDUCTIVE PROXIMITY SENSORS

### Specifications:

- Supply voltage: 12 to 24 VDC
- Sensing material: Magnetic metal

### Features:

- High visibility indicator
- Solid potted internal circuitry withstands shocks and water washdown to IP67
- NEMA 1, 3, 4, 6, 12, 13, and IP67 enclosure rating

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Barrel Size	Sensing Distance	Output	Supply Voltage	Price Each		
							1	25	50
<b>2-Wire Shielded</b>									
653-E2E2-X2Y1-US	E2E2-X2Y1-US	A	M12	2 mm	NO	NPB	87.45	79.96	77.15
653-E2E2-X5Y1	E2E2-X5Y1	A	M18	5 mm	NO	NPB	125.04	117.79	112.54
<b>3-Wire Shielded</b>									
653-E2E2-X10C1	E2E2-X10C1	A	M30	10 mm	NPN	NPB	73.32	67.03	65.89
653-E2E2-X2B1	E2E2-X2B1	A	M12	2 mm	PNP	NPB	70.88	64.54	61.77
653-E2E2-X2C1-M1	E2E2-X2C1-M1	A	M12	2 mm	NPN	NPB	70.70	64.65	62.92
653-E2E2-X5B1-M1	E2E2-X5B1-M1	A	M18	5 mm	PNP	NPB	73.32	67.03	65.89
<b>3-Wire Unshielded</b>									
653-E2E2-X5MB1	E2E2-X5MB1	A	M18	5 mm	PNP	NPB	67.56	61.77	56.24
653-E2E2-X5MC1	E2E2-X5MC1	A	M12	5 mm	NPN	NPB	70.88	64.54	61.77
653-E2E2-X10MB1-M1	E2E2-X10MB1-M1	A	M18	10 mm	PNP	NPB	93.40	89.28	84.32

## OMRON E2EC SERIES: MINIATURE INDUCTIVE PROXIMITY SENSORS

### Specifications:

- Supply voltage: 12 to 24 VDC
- Sensing material: Magnetic metal
- Shielded, 2 Wire

### Features:

- Subminiature, shielded sensing head (3-mm or 8-mm dia.)
- Longer sensing distance
- Side-by-side mounting of cable amplifier units possible
- Robotic cable on DC two-wire models withstands repeated flexing on robots and reciprocating machinery

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Barrel Size	Sensing Distance	Output	Supply Voltage	Price Each		
							1	25	50
653-E2ECC1R5D1	E2EC-C1R5D1	B	5.4 mm dia.	1.5 mm	NO	NPB	194.45	183.01	176.15
653-E2EC-C3D1	E2EC-C3D1	B	8 mm dia.	3 mm	NO	NPB	163.38	154.88	147.04
653-E2EC-CR5B1	E2EC-CR5B1	B	3 mm dia.	0.5 mm	NPN-NC	NPB	145.92	140.80	132.53
653-E2EC-CR5C1	E2EC-CR5C1	B	3 mm dia.	0.5 mm	NPN, NO	NPB	145.07	140.80	136.53
653-E2EC-CR8D1	E2EC-CR8D1	B	3 mm dia.	0.8 mm	NO	NPB	185.34	177.89	173.38
653-E2EC-X4D1	E2EC-X4D1	B	M12	4 mm	NO	NPB	181.25	173.25	163.63

## OMRON E2EM SERIES: EXTENDED RANGE INDUCTIVE PROXIMITY SENSORS

### Specifications:

- Supply voltage: 12 to 24 VDC
- Sensing material: Magnetic metal
- 2 Wire

### Features:

- Sensing distances approximately 1.5 to 2 times larger than that of any conventional sensor
- Reduces problems such as the collision of workpieces

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Barrel Size	Sensing Distance	Output	Supply Voltage	Price Each		
							1	25	50
<b>Shielded</b>									
653-E2EMX15X12M	E2EM-X15X1-2M	C	M30	15mm	NO	NPB	150.46	142.93	135.42
653-E2EM-X4X1-2M	E2EM-X4X1-2M	C	M12	38mm	NO	NPB	139.45	132.49	125.51
653-E2EM-X8X1-2M	E2EM-X8X1-2M	C	M18	8mm	NO	NPB	143.11	135.97	128.80
<b>Unshielded</b>									
653-E2EM-X30MX1-2M	E2EM-X30MX1-2M	C	M30	30mm	NO	NPB	207.35	196.96	186.61

## OMRON E2EQ SERIES: ANTI-SPATTER INDUCTIVE PROXIMITY SENSORS

### Specifications:

- Supply voltage: 12 to 24 VDC
- Sensing material: Magnetic metal
- 2 Wire
- FCB= Fluoroplastic coated brass

### Features:

- Rugged fluoroplastic coated brass barrel withstands high tightening torque
- Fluoroplastic resin face prevents weld slag build up on sensor
- Stability and operation indicators standard
- Prewired and pigtail connector models



RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Barrel Size	Sensing Distance	Output	Supply Voltage	Price Each		
							1	25	50
<b>Anti-Spatter Inductive Prox</b>									
653-E2EQ-X3D1-M1GJ	E2EQ-X3D1-M1GJ	D	M12	3 mm	NO	FCB	213.24	203.83	192.51
653-E2EQ-X7D1-M1GJ	E2EQ-X7D1-M1GJ	D	M18	7 mm	NO	FCB	226.33	216.34	204.32

## OMRON E2EV SERIES: ALL METAL SENSING INDUCTIVE PROXIMITY SENSORS

### Specifications:

- Supply voltage: 10 to 30 VDC
- Sensing material: Ferrous and non-ferrous metals
- NEMA 1, 3, 4, 6, 12, 13, IP67, UL enclosure rating
- Shielded

### Features:

- Ideal for use on conveyors with work pieces of different metals
- Detects aluminum and copper at the same distance as iron and stainless steel
- Prewired with 2 meters (6.56 ft) of cable

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Barrel Size	Sensing Distance	Output	Housing Material	Price Each		
							1	25	50
653-E2EV-X2C1	E2EV-X2C1	E	M12	2 mm	NPN-NO	NPB	175.31	163.22	143.09
653-E2EV-X5C1	E2EV-X5C1	E	M18	5 mm	NPN-NO	NPB	141.66	132.71	119.28

## OMRON E2EY SERIES: NON-FERROUS METAL DETECTING CYLINDRICAL PROXIMITY SENSORS

### Specifications:

- Supply voltage: 10 to 30 VDC
- NEMA 1, 3, 4, 6, 12, 13, IP67 enclosure rating
- Shielded

### Features:

- Provides long sensing distances for non-ferrous metals
- Prewired with 2 meters (6.56 ft) of cable

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Barrel Size	Sensing Distance	Output	Housing Material	Price Each		
							1	25	50
653-E2EY-X4C1	E2EY-X4C1	F	M18	4 mm	NPN-NO	NPB	266.56	253.23	239.91

