

OMRON Proximity Sensors



This product is RoHS compliant.

OMRON E2K-C SERIES: ADJUSTABLE, CAPACITIVE PROXIMITY SENSORS

Specifications:

- Unshielded type
- Standard target size: 50x50x1mm

Features:

- Adjustable sensing distance
- Mounting bracket included
- Non-contact detection of metallic and non-metallic objects

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Supply Voltage	Barrel Size (mm)	Sensing Distance (mm)	Output	Price Each		
							1	5	10
AC Switching Type									
653-E2K-C25MY1	E2K-C25MY1	A	90-250VAC	34	3-25	SCR-NO	192.28	186.77	180.93
DC Switching Type									
653-E2K-C25ME1	E2K-C25ME1	A	10-40VDC	34	3-25	NPN-NO	128.15	125.24	121.02
653-E2K-C25ME2	E2K-C25ME2	A	10-40VDC	34	3-25	NPN-NC	139.78	135.28	131.05

OMRON E2K-F SERIES: FLAT-PACK, CAPACITIVE PROXIMITY SENSORS

Specifications:

- Unshielded type
- Supply voltage: 10-30VDC
- Pre-wired with 2m of 3-conductor cable (6.56ft)

Features:

- Fits space-confined installations
- Non-contact detection of metallic and non-metallic targets including water, oil, glass, plastic, and wood

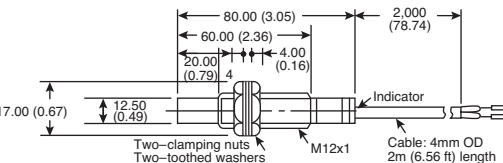
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Dimensions LxWxH (mm)	Sensing Distance (mm)	Output	Price Each		
						1	2	5
653-E2K-F10MC1	E2K-F10MC1	B	50x20x10	10	NPN-NO	81.54	75.98	72.33
653-E2K-F10MC2	E2K-F10MC2	B	50x20x10	10	NPN-NC	81.06	77.51	73.68

OMRON E2K-X4M SERIES: THREADED, CAPACITIVE PROXIMITY SENSORS

Specifications:

- Unshielded type
- Size: M12
- Detectable object type: Metal or non-metal



DIMENSIONS: mm (in.)



Features:

- Allows indirect detection of materials inside non-metallic containers
- LED indicator and fixed sensitivity for simple installation

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Nominal Detecting Distance (mm)	Output	Price Each		
				1	2	5
DC, 3-Wire Models						
653-E2K-X4ME1	E2K-X4ME1	4	NPN-NO	137.63	131.56	127.80
653-E2K-X4MF1	E2K-X4MF1	4	PNP-NO	157.63	152.89	148.31

OMRON TL-W SERIES: FLAT-PACK, INDUCTIVE PROXIMITY SENSORS

Specifications:

- Unshielded type
- Body material: ABS plastic
- Power supply voltage: 12-24VDC

Features:

- Watertight construction conforms to IP67
- Enclosure rating: NEMA 1, 2, 3, 4X, 6, 12, 13
- Space-saving mounting area

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Dimensions LxWxH (mm)	Sensing Distance (mm)	Output	Price Each		
						1	5	10
653-TL-W3MC1	TL-W3MC1	C	27.0x10.0x6.0	3.0	NPN-NO	82.65	79.56	77.86
653-TL-W3MC2	TL-W3MC2	C	27.0x10.0x6.0	3.0	NPN-NC	107.44	97.68	89.53
653-TL-W3MB2	TLW3MB2	C	27.0x10.0x6.0	3.0	PNP-NC	84.71	79.79	76.24
653-TL-W5MC1	TL-W5MC1	D	30.5x18.0x10.0	5.0	NPN-NO	47.86	45.67	45.33
653-TL-W5MD2	TL-W5MD2	E	30.5x18.0x10.0	5.0	NPN-NC	94.84	88.60	85.79
653-TL-W5E1	TL-W5E1	E	50.0x25.0x10.0	5.0	NPN-NO	79.53	77.18	75.63
653-TL-W5F2	TL-W5F2	E	50.0x25.0x10.0	5.0	PNP-NC	98.92	91.84	85.75

OMRON E2S SERIES: SUBMINIATURE, INDUCTIVE PROXIMITY SENSORS

Specifications:

- Unshielded type
- Supply voltage: 12-24VDC
- Detectable object type: Ferrous metal
- Pre-wired with 1m cable

Features:

- Only 5.5x5.5mm with built-in amplifier
- Response frequency: 1kHz min.
- Low current consumption
- Mounting bracket supplied

*Different frequency to prevent mutual interference

*No setting indicator

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Sensing Distance (mm)	Operation Mode	Sensing Surface	Output Configuration	Price Each		
							1	5	10
DC, 2-Wire Models, Operation Indicator (Red), Setting Indicator (Green)									
653-E2S-W21-1M	E2S-W21-1M	F	2.5	NO	Top	-	44.95	42.91	41.18
* 653-E2S-W21B1M	E2S-W21B 1M	F	2.5	NO	Top	-	59.71	55.78	54.01
653-E2S-Q21-1M	E2S-Q21-1M	G	2.5	NO	Front	-	41.76	39.87	38.26
** 653-E2S-Q221M	E2S-Q22 1M	G	2.5	NC	Front	-	54.89	51.28	49.66
DC, 3-Wire Models, Operation Indicator (Orange)									
653-E2S-W13-1M	E2S-W13-1M	H	1.6	NO	Top	NPN	37.80	35.81	33.79
653-E2S-W15-1M	E2S-W15-1M	H	1.6	NO	Top	PNP	40.69	38.55	36.37
653-E2S-W23-1M	E2S-W23-1M	F	2.5	NO	Top	NPN	63.20	57.46	52.67
653-E2S-W25-1M	E2S-W25-1M	F	2.5	NO	Top	PNP	48.62	46.38	44.25
653-E2S-Q23-1M	E2S-Q23-1M	G	2.5	NO	Front	NPN	37.87	36.16	34.70

OMRON E2E2 SERIES: LONG-BARREL, INDUCTIVE PROXIMITY SENSORS

Specifications:

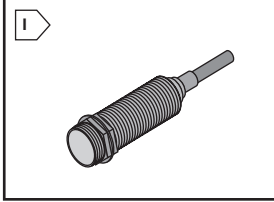
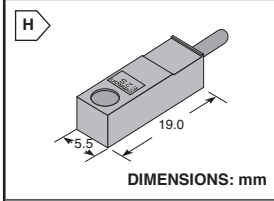
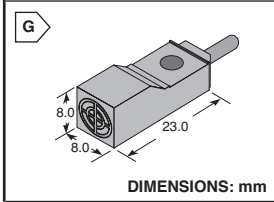
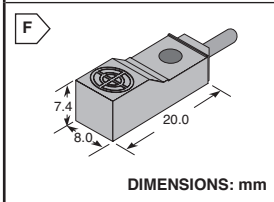
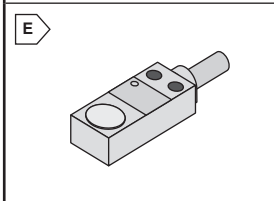
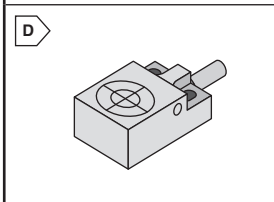
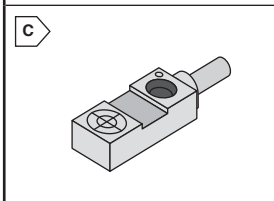
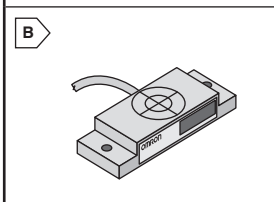
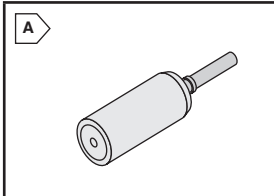
- 3-Wire, unshielded type
- Supply voltage: 12-24VDC
- Sensing material: Magnetic metal

Features:

- Long screw length
- Increased tightening strength and indicator visibility

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Barrel Size	Sensing Distance (mm)	Output	Price Each		
						1	5	10
653-E2E2-X5MC1	E2E2-X5MC1	I	M12	5	NPN	72.87	66.35	63.50



Omron Proximity Sensors

