

OMRON Proximity Sensors



RoHS Compliant This product is RoHS compliant.

OMRON E2K-X SERIES: CAPACITIVE PROXIMITY SENSORS

Specifications:

- Unshielded type
- 3-Wire DC Sensors
- Supply Voltage: 10 to 30 VDC
- Body Material: ABS

Features:

- Threaded, cylindrical sensor detects metallic and non-metallic objects
- Permits non-contact detection of metallic and non-metallic objects such as glass, wood, water, oil and plastic
- Allows indirect detection of materials inside non-metallic containers
- Built-in amplifier accepts a wide range of supply voltages and switches up to 200 mA
- LED indicator and fixed sensitivity for simple installation

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Barrel Size	Sensing Distance	Output	Price Each		
						1	5	10
653-E2K-X4ME1	E2K-X4ME1	A	M12	4mm	NPN-NO	118.58	115.32	112.31
653-E2K-X4MF1	E2K-X4MF1	A	M12	4mm	PNP-NO	162.24	155.10	146.47

Accessories

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Description	Price Each		
				1	5	10
653-Y92E-B12	Y92E-B12	B	Mounting bracket for M12 size sensors	3.24	3.11	3.05
653-Y92E-B18	Y92E-B18	B	Mounting bracket for M18 size sensors	3.00	2.86	2.74

OMRON E2K-C SERIES: ADJUSTABLE CAPACITIVE SENSORS

Specifications:

- Unshielded type
- Enclosure ratings: UL- 1; NEMA- 1, 4, 12, 13; IEC 144-IP67

Features:

- Adjustable sensing distance
- Mounting bracket included
- Non-contact detection of metallic and non-metallic objects
- Indirect detection of materials inside non-metallic containers

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Supply Voltage	Barrel Size	Sensing Distance	Output	Price Each		
							1	5	10
DC Switching Type									
653-E2K-C25ME1	E2K-C25ME1	C	10- 40 VDC	34mm	3-25mm	NPN-NO	128.15	125.24	121.02
653-E2K-C25ME2	E2K-C25ME2	C	10- 40 VDC	34mm	3-25mm	NPN-NC	119.51	115.24	112.28
AC Switching Type									
653-E2K-C25MY1	E2K-C25MY1	C	90- 250 VAC	34mm	3-25mm	SCR-NO	155.75	151.02	143.82
Accessories									
Description									
653-Y92E-A34	Y92E-A34	D	Mounting bracket for E2K-C				6.25	5.23	4.63

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

Specifications:

- Unshielded type
- Supply voltage: 10-30 VDC
- Current consumption: 10mA max.
- Differential travel: 15% max. of sensing distance
- Indicators: Target present (red LED)
- Pre-wired with 2 meters of 3-conductor cable (6.56 ft.)

Features:

- Fits space-confined installations
- Non-contact detection of metallic and non-metallic targets including water, oil, glass, plastic, and wood
- Detects level inside non-metallic containers
- Thin plastic body ideal for conveyor wall mounting
- Built-in DC amplifier provides NPN switching of loads to 100mA

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Dimensions L x W x H (mm)	Sensing Distance	Output	Price Each		
						1	5	10
653-E2K-F10MC1	E2K-F10MC1	E	50 x 20 x 10	10 mm	NPN-NO	81.54	72.33	69.21
653-E2K-F10MC2	E2K-F10MC2	E	50 x 20 x 10	10 mm	NPN-NC	81.06	73.68	69.18

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

Specifications:

- Unshielded type
- Body material: ABS plastic
- Supply voltage: 10-30 VDC
- Pre-wired w/ 3-conductor 2m length of cable

Features:

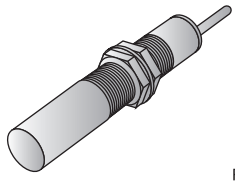
- Watertight construction conforms to IP67
- Enclosure rating: NEMA - 1, 2, 3, 4X, 6, 12, 13
- Space-saving mounting area ideal for conveyor wall mounting

Standard

For quantities of 20 and up, call for quote.

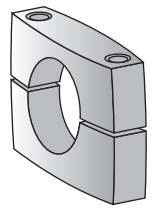
MOUSER STOCK NO.	Omron Part No.	Fig.	Dimensions LxWxH (mm)	Sensing Distance	Output	Price Each		
						1	5	10
653-TL-W3MB1	TL-W3MB1	F	27x10x6	3mm	PNP-NO	55.99	53.62	52.60
653-TL-W3MC1	TL-W3MC1	F	27x10x6	3mm	NPN-NO	58.48	55.77	53.58
653-TL-W3MB2	TL-W3MB2	F	27x10x6	3mm	PNP-NC	79.21	74.61	71.29
653-TL-W5MB1	TL-W5MB1	G	30.5x18x10	5mm	PNP-NO	47.86	45.67	45.33
653-TL-W5MC1	TL-W5MC1	G	30.5x18x10	5mm	NPN-NO	47.86	45.67	45.33
653-TL-W5MC2	TL-W5MC2	G	30.5x18x10	5mm	NPN-NC	78.93	74.99	71.04
653-TL-W5E1	TL-W5E1	H	50x24.9x10	5mm	NPN-NO	79.53	77.18	75.63
653-TL-W5F1	TL-W5F1	H	50x24.9x10	5mm	PNP-NO	80.52	76.97	72.69
653-TL-W5F2	TL-W5F2	H	50x24.9x10	5mm	PNP-NC	98.92	91.84	85.75

A

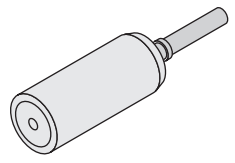


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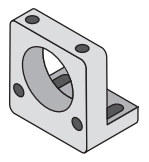


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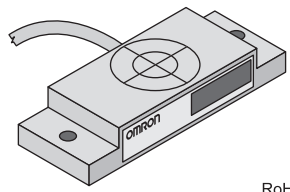
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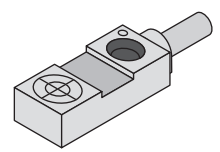
Mounting Bracket

E



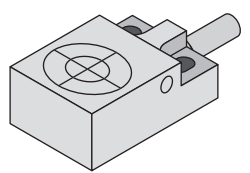
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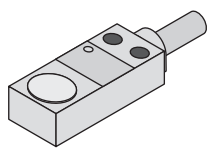


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