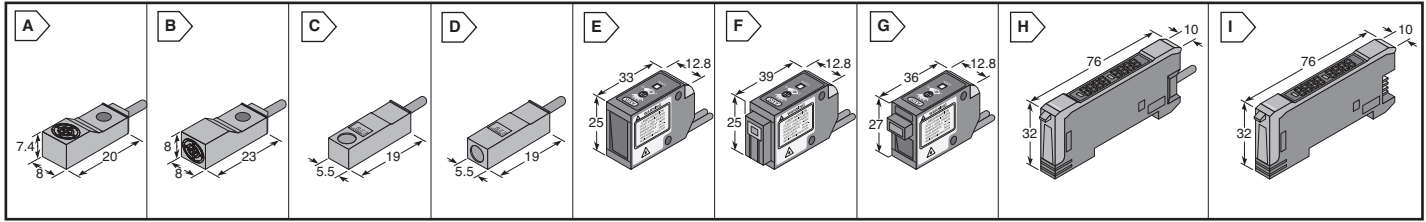


OMRON Proximity and Photoelectric Sensors



DIMENSIONS: mm

OMRON E2S SERIES: SUBMINIATURE INDUCTIVE PROXIMITY SENSORS

Specifications:

- Supply voltage: 12-24 VDC
- Detectable object type: Ferrous metal
- Response frequency: 1kHz min.
- Pre-wired with 1M cable

Features:

- World's smallest square sensor with built-in amplifier
- High response frequency for fast machine processes
- Mounting bracket supplied



RoHS Compliant

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Sensing Distance	Setting Distance	Output Configuration	Sensing Surface	Indicator	Price Each		
								1	5	10
653-E2S-W21-1M	E2S-W21-1M	A	2.5mm	0-1.9mm	DC 2-Wire NO	Front face	Operation (red), Setting (green)	41.76	39.87	38.26
653-E2S-Q21-1M	E2S-Q21-1M	B	2.5mm	0-1.9mm	DC 2-Wire NO	End face	Operation (red), Setting (green)	41.76	39.87	38.26
653-E2S-W13-1M	E2S-W13-1M	C	1.6mm	0-1.2mm	DC 3-Wire NPN NO	Front face	Operation (orange)	37.80	35.81	33.79
653-E2S-Q13-1M	E2S-Q13-1M	D	1.6mm	0-1.2mm	DC 3-Wire NPN NO	End face	Operation (orange)	37.80	35.81	33.79
653-E2S-W23-1M	E2S-W23-1M	A	2.5mm	0-1.9mm	DC 3-Wire NPN NO	Front face	Operation (orange)	37.80	35.81	33.79
653-E2S-Q23-1M	E2S-Q23-1M	B	2.5mm	0-1.9mm	DC 3-Wire NPN NO	End face	Operation (orange)	37.87	36.16	34.70
653-E2S-W15-1M	E2S-W15-1M	C	1.6mm	0-1.2mm	DC 3-Wire PNP NO	Front face	Operation (orange)	37.80	35.81	33.79
653-E2S-Q15-1M	E2S-Q15-1M	D	1.6mm	0-1.2mm	DC 3-Wire PNP NO	End face	Operation (orange)	37.80	35.81	33.79
653-E2S-W25-1M	E2S-W25-1M	A	2.5mm	0-1.9mm	DC 3-Wire PNP NO	Front face	Operation (orange)	45.16	41.10	39.66
653-E2S-Q25-1M	E2S-Q25-1M	B	2.5mm	0-1.9mm	DC 3-Wire PNP NO	End face	Operation (orange)	47.86	42.48	40.84

OMRON E3C-LDA SERIES: SMART LASER BEAM PHOTOELECTRIC SENSORS

Specifications:

- Light source: Red semiconductor laser diode, 2.5 mW max.
- Indicators: LDON: green, Operation: Orange
- Amplifier supply voltage: 12-24 VDC
- Advanced amplifier unit functions: Power tuning, differential detection, timer, zero-reset initial reset, mutual interference prevention, preset counter (external input models only), and reversed display
- Advanced amplifier unit I/O settings: Output setting - Channel 2 output, area output, or self-diagnosis
- External input setting - teaching, power tuning, zero reset, light OFF, or counter reset

Features:

- Separate digital amplifiers feature long-distance detection and installs easily
- Focusable beam-spot and optical axis adjustability for line, spot and area type laser beams is an industry first;
- four different sensing heads that are interchangeable and are equivalent to through-beam sensors
- Smart functionality includes two outputs, power tuning functions with 1-touch programming, differential function, mutual interference prevention, and high-speed response
- Construction, speed, accuracy and reliability combine to make this photoelectric sensor series suitable for use in production processes where high precision and fast response times are vital

Sensor Heads

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Sensing Method	Focus	Sensing Distance	Beam Size	Comments	Price Each		
								1	2	5
653-E3C-LD11-2M	E3C-LD11-2M	E	Diffuse Reflective	Spot	30-700mm	0.8mm max.	Mount beam unit for line or area beam	517.88	474.24	450.98
653-E3C-LD21-2M	E3C-LD21-2M	F	Diffuse Reflective	Line	30-700mm	33mm	Consists of E39-P11 mounted to E3C-LD11	607.18	556.01	528.72
653-E3C-LD31-2M	E3C-LD31-2M	F	Diffuse Reflective	Area	30-700mm	33 x 15mm	Consists of E39-P21 mounted to E3C-LD11	607.18	556.01	528.72
653-E3C-LR11-2M	E3C-LR11-2M	G	Coaxial Retroreflective	Spot (var.)	5M	0.8mm max.	For line or area beam, mount beam unit	581.24	532.26	506.15

Advanced Amplifier Units

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Type	Type	Connection	Functions	Price Each		
							1	2	5
653-E3C-LDA11-2M	E3C-LDA11-2M	H	Twin output	NPN	Prewired 2M Cable	Area output, self-diagnosis, differential operation	352.44	322.74	306.91
653-E3C-LDA41-2M	E3C-LDA41-2M	H	Twin output	PNP	Prewired 2M Cable	Area output, self-diagnosis, differential operation	354.02	324.18	308.27
653-E3C-LDA51-2M	E3C-LDA51-2M	H	External input	PNP	Prewired 2M Cable	Remote setting, counter, differential operation	352.44	322.74	306.91
653-E3C-LDA6	E3C-LDA6	I	Twin output	NPN	Separate Connector	Area output, self-diagnosis, differential operation	349.32	319.88	304.18
653-E3C-LDA7	E3C-LDA7	I	External input	NPN	Separate Connector	Remote setting, counter, differential operation	347.76	318.46	302.81
653-E3C-LDA8	E3C-LDA8	I	Twin output	PNP	Separate Connector	Area output, self-diagnosis, differential operation	349.32	319.88	304.18
653-E3C-LDA9	E3C-LDA9	I	External input	PNP	Separate Connector	Remote setting, counter, differential operation	349.32	319.88	304.18

Amplifier Unit Connectors

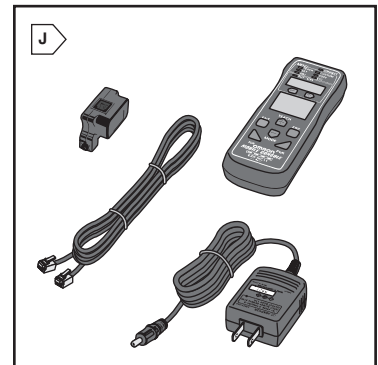
For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Description	Price Each		
			1	5	10
653-E3X-CN21	E3X-CN21	Master connector for E3C-LDA6, E3C-LDA7, E3C-LDA8, E3C-LDA9. 2M (6.56 ft) cable, 4 conductors	20.44	18.61	17.81
653-E3X-CN22	E3X-CN22	Slave connector for E3C-LDA6, E3C-LDA7, E3C-LDA8, E3C-LDA9. 2M (6.56 ft) cable, 2 conductors	23.96	21.86	20.90

Accessories

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Description	Price Each		
			1	2	5
653-E39-P11	E39-P11	Beam unit, line focus, for E3C-LD11	198.42	181.71	172.79
653-E39-P21	E39-P21	Beam unit, area focus, for E3C-LD11	208.35	190.80	181.43
653-E39-P31	E39-P31	Beam unit, line focus, for E3C-LR11	141.06	129.16	122.84
653-E39-P41	E39-P41	Beam unit, area focus, for E3C-LR11	153.60	140.66	133.75
653-E39-L143	E39-L143	Mounting bracket for E3C	13.78	12.63	12.00
653-E39-R12	E39-R12	Reflector, standard effective area of 23 x 23mm	46.38	42.47	40.39
653-E39-R13	E39-R13	Reflector, standard effective area of 7 x 7mm	27.99	25.63	24.37
653-PFP-M	PFP-M	End plate	.62	.61	.57



Mobile Console Unit

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Description	Price Each		
				1	2	5
653-E3X-MC11-S	E3X-MC11-S	J	Includes mobile console (E3X-MC11-C1-S) with comm. head (E3X-MC11-H1), cable (E39-Z12-1), and AC adptr	633.03	579.68	551.25

