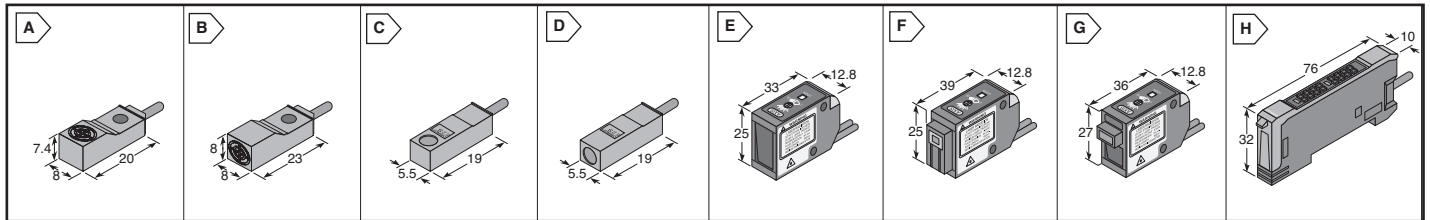


OMRON Proximity and Photoelectric Sensors



OMRON E2S SERIES: SUBMINIATURE INDUCTIVE PROXIMITY SENSORS

DIMENSIONS: mm

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-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-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



RoHS Compliant

For quantities of 20 and up, call for quote.

Advanced Amplifier Units

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

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-PFP-M	PFP-M	End plate	.62	.61	.57