



# Omron Photoelectric/Proximity Sensors



## E3Z Photoelectric Sensors



**The Standard for Photoelectric Sensors with a Secure Track Record of One Million Sold Yearly**

- Long sensing distance of 30 m for through-beam models, 4 m for retro-reflective models, and 1 m for diffuse-reflective models
- Mechanical axis and optical axis offset of less than  $\pm 2.5^\circ$  simplifies optical axis adjustment
- High stability with unique algorithm that prevents interference of external light.

[Click part no. for more info](#)



E3Z				
part no.	sense dist.	sense method	beam	con. method
OMR-E3Z-T86	15m	Thru Beam	Infrared	Std. M8
OMR-E3Z-R86	4m	Retro	Red Light	Std. M8
OMR-E3Z-D87	1m	Diffuse	Red Light	Std. M8
OMR-E3Z-LS86	20-200m	Distance	Red Light	Std. M8

## E3Z-F Photoelectric Sensors



**A Visible Spot That Simplifies the Usage of Photoelectric Sensors**

- E3Z-F is added to the E3Z Series of Photoelectric Sensors that boasts annual worldwide sales of 1.5 million units.
- Many different sensing distances
- Diffuse-reflective: 100 mm, 300 mm, 500 mm, 1 m / Through-beam: 20 m / Retro-reflective: 4 m
- Models with infrared LEDs are also available.

[Click part no. for more info](#)



E3Z-F				
part no.	sense dist.	sense method	beam	con. method
OMR-E3Z-FTP21	20m	Thru Beam	Red Light	M12
OMR-E3Z-FRP21	4m	Retro	Red Light	M12
OMR-E3Z-FDP21	100mm	Diffuse	Red Light	M12
OMR-E3Z-FDP22	300mm	Diffuse	Red Light	M12
OMR-E3Z-FDP23	500mm	Diffuse	Red Light	M12
OMR-E3Z-FDP24	1m	Diffuse	Red Light	M12

## E2B Inductive Sensors



**Perfect fit for standard environments**

- Embody two seemingly contradictory characteristics: value-for-money and high reliability
- All 372 Models
- Four different sizes: M8, M12, M18 and M30
- Single and double sensing distances, Shielded and unshielded
- A choice of short and long bodies, two connecting methods and four output types
- Operating temperature:  $-25^\circ\text{C}$  to  $70^\circ\text{C}$
- Water resistance: IP67
- With an all-round  $360^\circ$  visible indicator

[Click part no. for more info](#)



E2B				
	part no.	sense dist.	style	con. method
M8	OMR-E2B-S08KS02-MCB1	1.5mm	Flush	3p M8
	OMR-E2B-S08KN04MCB1	2mm	Non-Flush	3p M8
M12	OMR-E2B-M12KS04-M1B1	4mm	Flush	4p M12
	OMR-E2B-M12KN08M1B1	8mm	Non-Flush	4p M12
M18	OMR-E2B-M18KS08-M1B1	8mm	Flush	4p M12
	OMR-E2B-M18KN16M1B1	16mm	Non-Flush	4p M12
M30	OMR-E2B-M30KS15M1B1	15mm	Flush	4p M12
	OMR-E2B-M30LN30M1B1	30mm	Non-Flush	4p M12



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