

Long-distance Proximity Sensor



- Long-distance detection at up to 30 mm enables secure mounting with reduced problems due to workpiece collisions.
- No polarity for easy wiring with DC 2-wire models.
- Cable protector provided as a standard feature.



Be sure to read *Safety Precautions* on page 6.

For the most recent information on models that have been certified for safety standards, refer to your OMRON website.

Ordering Information

Sensors [Refer to *Dimensions* on page 7.]
DC 2-Wire, Pre-wired Models

Appearance		Sensing distance		Model	
				NO	NC
Shielded  *1	M12	 4 mm		E2EM-X4X1 2M *2	E2EM-X4X2 2M
	M18	 8 mm		E2EM-X8X1 2M *2	E2EM-X8X2 2M
	M30	 15 mm		E2EM-X15X1 2M *2	E2EM-X15X2 2M
Unshielded 	M18	 16 mm		E2EM-X16MX1 2M	E2EM-X16MX2 2M
	M30	 30 mm		E2EM-X30MX1 2M	E2EM-X30MX2 2M

*1. There are installation restrictions that apply to Shielded Sensors. Refer to Reference *Influence of Surrounding Metal* in *Safety Precautions* on page 6.

*2. Pre-wired M12 Connector Models with a cable length of 300 mm are also available. Add -M1J to the end of the model number (example: E2EM-X4X1-M1J).

Note: Orders for DC 2-Wire Models will be accepted until the end of March 2023.

DC 3-Wire, Pre-wired Models

Appearance		Sensing distance		Model	
				Output configuration: NPN NO	Output configuration: NPN NC
Shielded  *	M8	 2 mm		E2EM-X2C1 2M	E2EM-X2C2 2M
	M12	 4 mm		E2EM-X4C1 2M	E2EM-X4C2 2M
	M18	 8 mm		E2EM-X8C1 2M	E2EM-X8C2 2M
	M30	 15 mm		E2EM-X15C1 2M	E2EM-X15C2 2M

* There are installation restrictions that apply to Shielded Sensors. Refer to Reference *Influence of Surrounding Metal* in *Safety Precautions* on page 6.

Note: Orders for DC 3-Wire Models have been discontinued at the end of March 2022.

DC 3-Wire, M12 Connector Models

Appearance		Sensing distance		Model	
				Output configuration: NPN NO	Output configuration: NPN NC
Shielded  *	M8	 2 mm		E2EM-X2C1-M1	E2EM-X2C2-M1
	M12	 4 mm		E2EM-X4C1-M1	E2EM-X4C2-M1
	M18	 8 mm		E2EM-X8C1-M1	E2EM-X8C2-M1
	M30	 15 mm		E2EM-X15C1-M1	E2EM-X15C2-M1

* There are installation restrictions that apply to Shielded Sensors. Refer to Reference *Influence of Surrounding Metal* in *Safety Precautions* on page 6.

Note: Orders for DC 3-Wire Models have been discontinued at the end of March 2022.