

Ordering Information

Sensors [Refer to *Dimensions* on page 11.]

DC 2-Wire, Pre-wired Models

Size	Sensing distance	Output	Operation mode	Model
 Shielded	M8 1.5 mm	DC 2-Wire (polarity)	NO	E2FM-X1R5D1 2M *1 *3
	M12 2 mm			E2FM-X2D1 2M *2
	M18 5 mm			E2FM-X5D1 2M *2
	M30 10 mm			E2FM-X10D1 2M *2

Note: Models with NC operation are also available. Ask your OMRON representative for details.

*1. Fluororesin-coated models are also available. The model numbers are E2FM-QX□D1. The cable material, however, is vinyl chloride and requires separate protection.

*2. Have been discontinued at the end of March 2025.

*3. Orders will be accepted until the end of March 2026.

DC 2-wire Pre-wired Smartclick Connector Models (M12)

Size	Sensing distance	Output	Operation mode	Model
 Shielded	M8 1.5 mm	Polarity Pin allocations: 1-4	NO	E2FM-X1R5D1-M1TGJ 0.3M *2
	M12 2 mm	Polarity Pin allocations: 1-4		E2FM-X2D1-M1TGJ 0.3M *1
		No polarity Pin allocations: 3-4		E2FM-X2D1-M1TGJ-T 0.3M *1
	M18 5 mm	Polarity Pin allocations: 1-4		E2FM-X5D1-M1TGJ 0.3M *1
		No polarity Pin allocations: 3-4		E2FM-X5D1-M1TGJ-T 0.3M *1
	M30 10 mm	Polarity Pin allocations: 1-4		E2FM-X10D1-M1TGJ 0.3M *1
		No polarity Pin allocations: 3-4		E2FM-X10D1-M1TGJ-T 0.3M *1

*1. Have been discontinued at the end of March 2025.

*2. Orders will be accepted until the end of March 2026.

DC 3-Wire, Pre-wired Models

Size	Sensing distance	Model	
		Output configuration: NPN NO	Output configuration: PNP NO
 Shielded	M8 1.5 mm	E2FM-X1R5C1 2M *2	E2FM-X1R5B1 2M *2
	M12 2 mm	E2FM-X2C1 2M *1	E2FM-X2B1 2M *1
	M18 5 mm	E2FM-X5C1 2M *1	E2FM-X5B1 2M *1
	M30 10 mm	E2FM-X10C1 2M *1	E2FM-X10B1 2M *1

Note: Models with NC operation are also available. Ask your OMRON representative for details.

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*2. Orders will be accepted until the end of March 2026.

DC 3-Wire, M12 Connector Models

Size	Sensing distance	Model	
		Output configuration: NPN NO	Output configuration: PNP NO
 Shielded	M8 1.5 mm	E2FM-X1R5C1-M1 *3	E2FM-X1R5B1-M1 *1 *3
	M12 2 mm	E2FM-X2C1-M1 *2	E2FM-X2B1-M1 *2
	M18 5 mm	E2FM-X5C1-M1 *2	E2FM-X5B1-M1 *2
	M30 10 mm	E2FM-X10C1-M1 *2	E2FM-X10B1-M1 *2

*1. Fluororesin-coated models are also available. The model numbers are E2FM-QX□B1-M1. The cable material, however, is vinyl chloride and requires separate protection.

*2. Have been discontinued at the end of March 2025.

*3. Orders will be accepted until the end of March 2026.