



**Automatización Eléctrica**

Especialistas en Automatización

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

## Miniature short head inductive sensor for demanding mounting conditions with remote amplifier

The E2EC family features the smallest sensor heads for reliable sensing in areas where mounting space is crucial. The miniature sizes of the sensing heads are achieved by separating the sensing part from the amplifier. In contrast to standard separate amplifier models the E2EC family simplifies the installation as the amplifier is built into the cable.

- 3 mm diameter sensing head for smallest spaces
- 18 mm long ultra short M12 size housing
- Full metal housing model for highest resistance in demanding environments



### Ordering information

#### Standard (plastic sensing surface) DC 2-wire

Size			Order code (pre-wired types with 2 m cable length) <sup>*1</sup>	
			Operation mode NO	Operation mode NC
3-mm dia.	■	—	E2EC-CR8D1	E2EC-CR8D2
5.4-mm dia.			E2EC-C1R5D1	E2EC-C1R5D2
8-mm dia.			E2EC-C3D1	E2EC-C3D2
M12			E2EC-X4D1	E2EC-X4D2

<sup>\*1</sup> Cable length from sensor head to remote amplifier is 0.4 m

#### High protection (all metal face) DC 3-wire and DC 2-wire

Size			Order code (pre-wired types with 2 m cable length) <sup>*1</sup>	
			DC 3-wire Operation mode NO	DC 2-wire Operation mode NO
8-mm dia.	■	—	E2EC-MC2B1	E2EC-MC2D1
				E2EC-QC2D1-M1GJ-T <sup>*2</sup> (fluoroplastic coating)

<sup>\*1</sup> Cable length from sensor head to remote amplifier is 0.4 m

<sup>\*2</sup> The remote amplifier is equipped with a M12 plug with 30 cm cable. Cable length from sensor head to remote amplifier is 0.5 m

### Specifications

Item		dia 3	dia 5.4	dia 8		M12
		E2EC-CR8D_	E2EC-C1R5D_	E2EC-MC E2EC-QC	E2EC-C3D_	E2EC-X4D_
Sensing distance		0.8 mm ±15%	1.5 mm ±10%	2 mm ±10%	3 mm ±10%	4 mm ±10%
Response frequency		1.5 kHz		100 Hz	1 kHz	
Power supply voltage (Operating voltage)		12 to 24 VDC (10 to 30 VDC) ripple (p-p): 10% max.				
Protective circuits		Surge absorber, short-circuit protection				
Ambient temperature	Operating	-25°C to 70°C (with no icing or condensation)				
	Storage					
Degree of protection		IEC60529 IP67				
Material	Case	Brass		Stainless steel (SUS303)	Brass	
	Sensing surface	ABS		Stainless steel (SUS303)	ABS	



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