

The OMRON logo is displayed in a bold, blue, sans-serif font. The letters are thick and rounded, with a consistent blue color throughout. The logo is centered horizontally within a light yellow rectangular background.

Automatización Eléctrica
Especialistas en Automatización

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Absolute rotary encoder with enhanced water resistance

The E6C family of dia 50 mm incremental rotary encoders features an improved water resistance compared to standard models.

- IP65f drip-proof, oil-proof construction

Ordering information

Size dia. in mm	Power supply voltage	Output form	Output code	Resolution (pulse/rotation)	Connection method	Order code
50	12 to 24VDC	NPN open collector output	Gray code	256, 360	Connector type	E6C3-AG5C-C
				256, 360, 720, 1,024	Pre-wired type	E6C3-AG5C
			Binary	32, 40		E6C3-AN5C
		BCD	6, 8, 12	E6C3-AB5C		
		PNP open collector output	Gray code	256, 360, 720, 1,024	E6C3-AG5B	
			Binary	32, 40	E6C3-AN5B	
	BCD		6, 8, 12	E6C3-AB5B		
	5 VDC	NPN voltage output	Binary	256		E6C3-AN1E
	12 VDC				E6C3-AN2E	

E6F-A



Absolute rotary encoder in rugged housing

The E6F family of dia 60 mm rotary encoders features a rugged housing.

- Stronger shaft and higher durability (120 N in radial direction and 50 N in thrust direction) than previous E6F Encoders
- Drip-proof construction meets IP64F standards
- High-resolution models (1024 pulses max. per revolution)
- Faster response for high-speed control applications (grey code: 20 kHz)

Ordering information

Size dia. in mm	Power supply voltage	Output form	Output code	Resolution (pulses/revolution)	Connection method	Order code
60	12 to 24 VDC	NPN open collector	BCD	360	Pre-wired	E6F-AB5C
				256, 360, 720, 1,024	Connector type ^{*1}	E6F-AB5C-C
		PNP open collector	Gray code	256, 360, 720, 1,024	Pre-wired	E6F-AG5C
			BCD	360	Pre-wired	E6F-AB5B
			Gray code	256, 360, 720, 1,024	Pre-wired	E6F-AG5B

^{*1} For extension cables order E69-DF5 (5M) or E69-DF10 (10M).

Below is a list of articles with direct links to our shop Electric Automation Network where you can see:

- Quote per purchase volume in real time.
- Online documentation and datasheets of all products.
- Estimated delivery time enquiry in real time.
- Logistics systems for the shipment of materials almost anywhere in the world.
- Purchasing management, order record and tracking of shipments.

To access the product, [click on the green button.](#)

Product	Code	Reference	Product link
	122903	G6C-2117P-FD-US-SV 9DC	Buy on EAN
Temperature controller, 1/32DIN (48 x 24mm), 12VDC output, 2 alarm outputs + two event inputs, thermocouple/PT100 input, SLC	323329	E5GN-Q2BT-C AC100-240	Buy on EAN
E5CN-M option board- RS485 communications and Control output option (voltage pulse), **only compatible with new E5CN-M models**	169477		Buy on EAN
	125826		Buy on EAN
Flexible safety unit, advanced unit, 2 outputs (instantaneous), 2 outputs (OFF-delayed), 2 outputs (Auxiliary), Max OFF-delay time 15secs, screw terminals, 2 logical AND connections	224260	G9SX-ADA222-T15-RT DC24	Buy on EAN
	373274	F3S-TGR-CL4A-014-600-01	Buy on EAN
	118970		Buy on EAN