Absolute Rotary Encoder

E6C3-A

An Encoder That Offers Durability and Convenience

- IP65f drip-proof, oil-proof construction achieved with seal bearing.
- 8-mm-dia stainless steel shaft withstands a shaft loading of 80 N and 50 N respectively in the radial and thrust directions.
- Absolute Rotary Encoders have a metal slit plate to ensure high resistance to shock.
- Combining Absolute Rotary Encoders with a Programmable Controller or Cam Positioner allows ideal angle control.
- Bears CE markings (EMC Directives) and conforms to EN/IEC standards, making it suitable for the European market.

Ordering Information

Sensors

Supply voltage	Output form	Output code	Resolution (pulse/rotation)	Connection method	Model
12 to 24VDC	NPN open collector output	Gray code	256	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**

Note: 1 . When ordering, specify the resolution in addition to the model numbers. (Example: E6C3-AG5C 360P/R 1M)
2 . Models with 2-m cables are also available as standard products. Specify the cable length at the end of the model number. (Example: E6C3-AG5C 360P/R 2M)
3 . When connecting to the H8PS, be sure to use the E6C3-AG5C-C 256P/R.

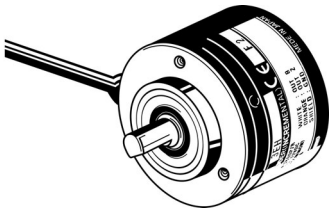
Accessories (Order Separately)

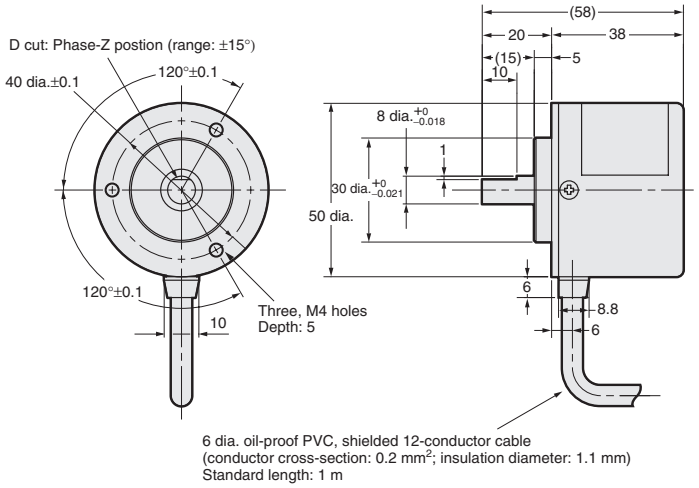
Item	Model	Remarks	
Coupling	**E69-C08B**	---	
	E69-C68B	Diameters of ends: 6 to 8 dia.	
Flange	**E69-FCA03**	---	
	E69-FCA04	E69-2 Servo Mounting Bracket provided.	
Servo Mounting Bracket	**E69-2**	Provided with the E69-FCA04 Flange.	
Extension Cable	**E69-DF5**	5 m	Applicable for the E6C3-AG5C-C. 15- and 98-m-long Extension Cables are also available.
	E69-DF10	10 m	
	E69-DF20	30 m	

Dimensions (Unit: mm)

Sensors

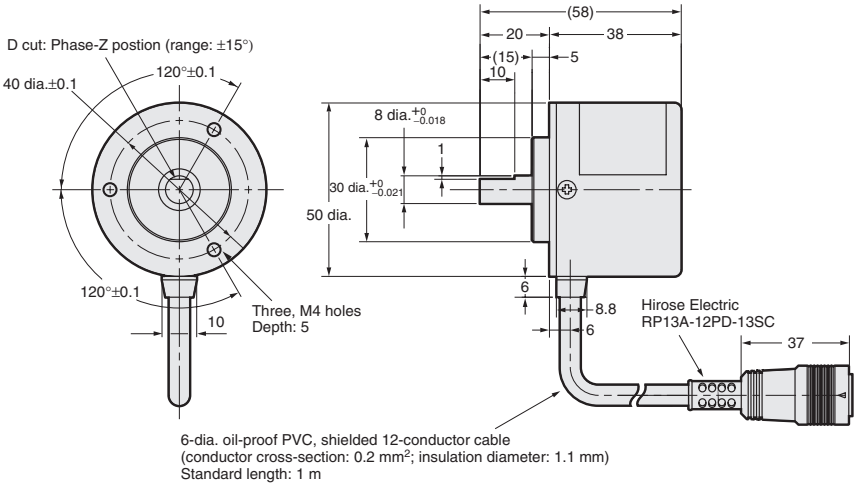
E6C3-A□5□
E6C3-AN□E





Note: E69-C08B is sold separately.

E6C3-AG5C-C



Note: E69-C08B is sold separately.

ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.
To convert millimeters into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.

Cat. No. F058-E2-01-X In the interest of product improvement, specifications are subject to change without notice.

OMRON

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