

4...20mA Analogue Output Absolute Singleturn Encoder EAS58

Application

4--20mA analogue output absolute singleturn encoder EAS58 series are featured by compact construction, with good performance against mechanical damage, and can withstand higher axial and radial load. EAS58 series have "RESET" function, with resolution up to 8192.

Characteristics

- Water-proof seal
- Pre-screw hole, convenient for usage
- stainless steel
- Metal housing
- Protection class IP65
- Calibrated starting and finishing point



Mechanical Characteristics

Shaft (mm)	Φ6g6/Φ10h8
Protection acc. to EN 60 529	IP65
Speed (r/m)	6000
Max load capacity of the shaft	
Axial load capacity	60N
Radial load capacity	120N
Shock resistance	50G/11ms
Vibration resistance	10G 10~2000Hz
Bearing life	10 ⁹ revolution
Rotor moment of inertia	1.8×10 ⁻⁶ kgm ²
Starting torque	<0.01Nm
Body material	AL-alloy
Housing material	AL-alloy
Operating temperature	-20°C~~+80°C
Storage temperature	-25°C~~+85°C
Weight	360g

Resolution: 8192 . For other resolutions pls contact our company.

Electrical Characteristics

Output Circuit	4--20mA
Supply voltage (U _b)	10~30VDC/5VDC
Power consumption typ.	70mA
No load Max.	84mA
Word change frequency	Max15.000/s
Current loop supply voltage	10 ... 30VDC
Analogue signal	4 ... 20mA
Max. input resistance	200Ω
Measuring range	0 ... 360°
Max sensitivity (25 °C)	0.2°
Resolution	13 Bit
Building up time	Max. 2 ms
Temperature coefficient	0.1° /10K
Power consumption (no load)	≤3.5 mA
Sensor and current loop are galvanically isolated	

Conforms to CE requirements acc. to EN 61000-6-1,EN 61000-6-4 & EN 61000-6-3

Overview

General

Absolute

Easydic Incremental

Topic Incremental

Heavydic Incremental

Ex-proof

Special Temperature

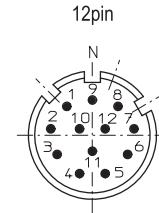
Adapter and draw wire mechanics

Accessories

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Terminal Assignment (Current interface 4...20mA, 12pin plug)

Signal	0V	+U _b	---	----	+I	-I	ST	VR	÷
Color	WH	BN	GN	YE	GY	PK	BU	RD	
Gray	1	2	3	4	5	6	7	8	PH



+I: Input of the current loop

-I: Output of the current loop

ST: SET input, The output current is set to 4mA.1 counting direction (CW/CCW) Up/down input must be designated before triggering SET.

Response time: for 5VDC, 0.4ms

for 10-30VDC, 2ms

VVR: Up/down input, As this input is active, decreasing current values are transmitted when shaft turning clockwise.

LATCH: "Lock "current position

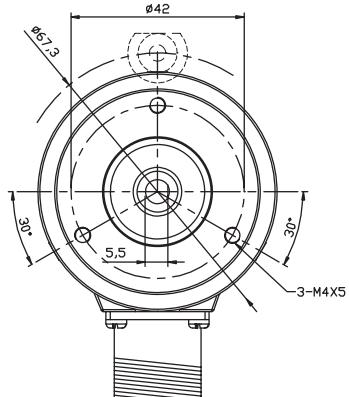
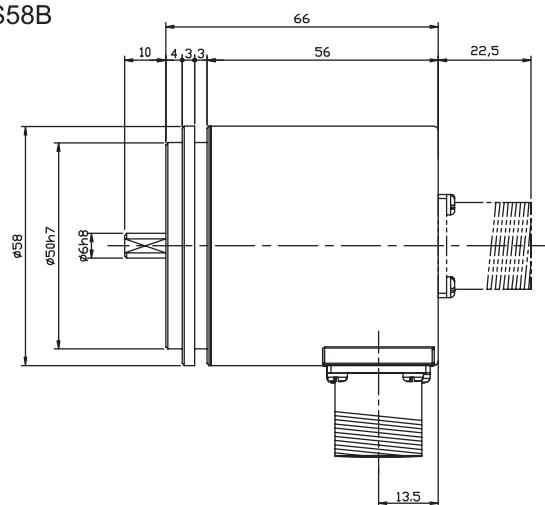
Response time: for 5VDC, 140μs

for 10-30VDC, 200μs

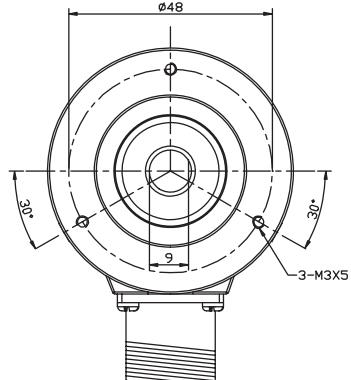
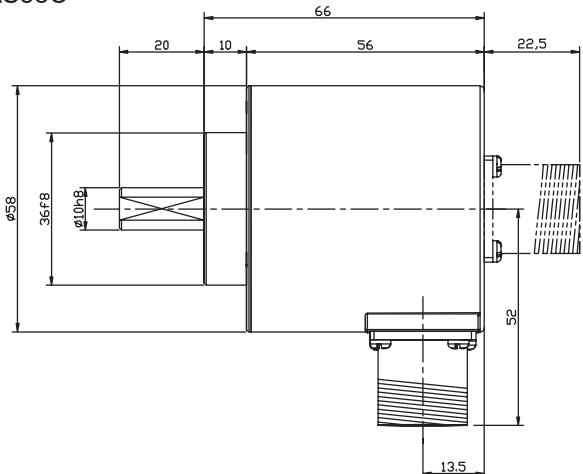
PH: Plug housing.

Dimensions

EAS58B



EAS58C



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Order Code:

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EAS 58 C 10 - A6 P R - 8192 . XXXX									
Flange Type					Type of connection				
Shaft Diameter 6=Φ6mm (EAS58B) 10=Φ10mm					Outlets direction R=radial A=axial				
Housing Diameter					Resolution				
58=Housing diameter					Singleturn resolution Max 8192 (13 bits)				
Output & Supply voltage									
A6=4---20mA					10~30Vdc				
A5=4---20mA					5Vdc				
Series									
EAS=4--20mA analog interface									

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