

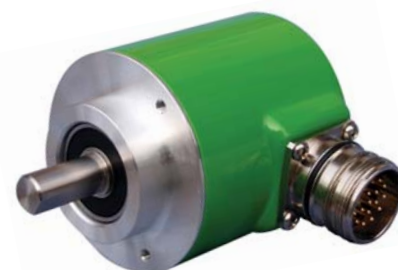
## 4...20mA Analogue Output Absolute Singleturn Encoder EAS58

### 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 <sup>9</sup> revolution
Rotor moment of inertia	1.8×10 <sup>-6</sup> kgm <sup>2</sup>
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 <sub>b</sub> )	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

Topdic  
Incremental

Heavydic  
Incremental

Ex-proof

Special  
Temperature

Adapter and draw  
wire mechanics

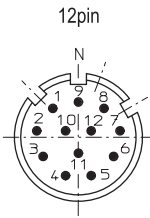
Accessories

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

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

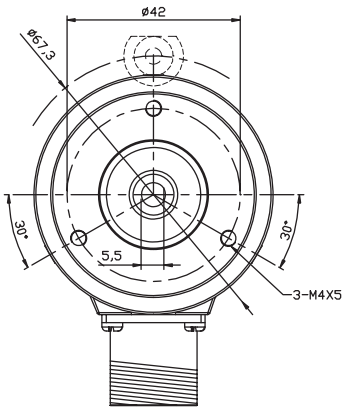
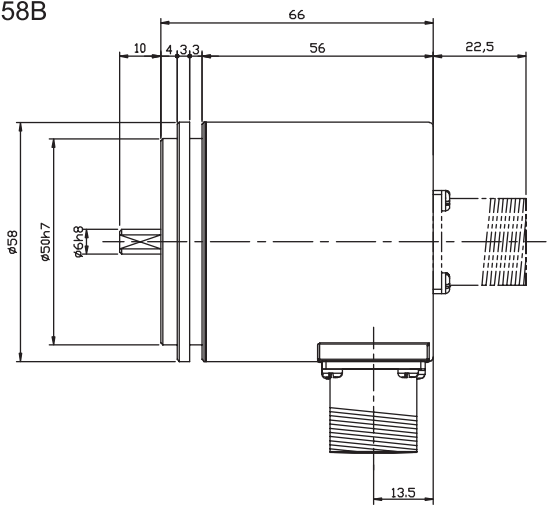
Signal	0V	+U <sub>b</sub>	----	-----	+I	-I	ST	VR	⊕
Color	WH	BN	GN	YE	GY	PK	BU	RD	
Gray	1	2	3	4	5	6	7	8	PH

+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.

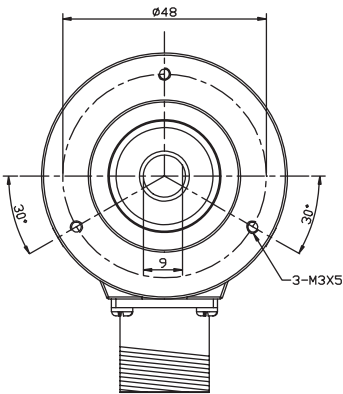
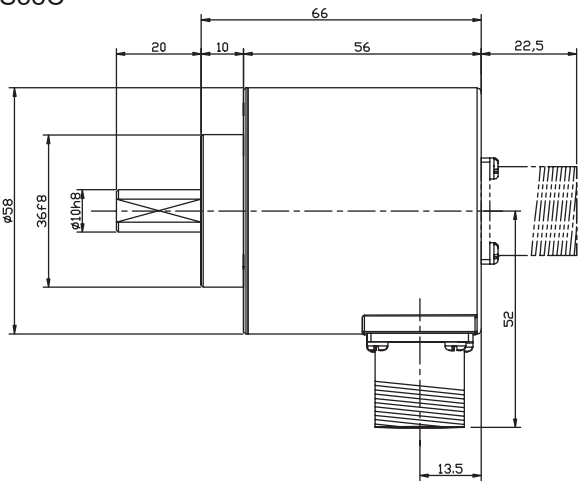


Dimensions

EAS58B



EAS58C



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

Order Code:

EAS	58	C	10	—	A6	P	R	—	8192	. XXXX	
Series		Flange Type		Shaft Diameter		Type of connection		Resolution		XXXX=Special Code	
											Output & Supply voltage
EAS=4---20mA analog interface		B=synchronous flange, shaft Φ6,length 10mm C=Φ36 clamping flange, shaft length 20mm		6=Φ6mm (EAS58B) 10=Φ10mm		P=12cores cable standard length 1.5m T=M23 ,12pin connector		Singleturn resolution Max 8192 (13 bits)			
Housing Diameter		Type of connection		Shaft Diameter		Type of connection		Resolution		XXXX=Special Code	
58=Housing diameter											
Output & Supply voltage		Type of connection		Shaft Diameter		Type of connection		Resolution			
A6=4---20mA      10~30Vdc A5=4---20mA      5Vdc											

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