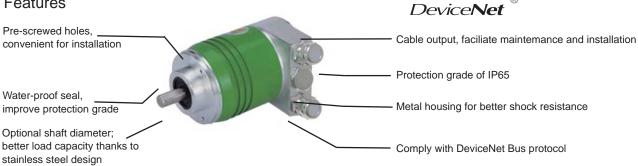


### Descriptions

DeviceNet absolute multituren encoder EAM58 series is used in various industrial environment. It delivers excellent performance in withstanding mechaniclal damages. It complies with DeviceNet protocol and has a max. resolution of 8192 and max. revolution up to 4096. Its high speed communication and anti-interference function ensure steady performance during operation.

## **Features**



## Mechanical Characteristics

Shaft diameter (mm)	Ф6д6	-58B optional		
	Ф8д6	-58A/B/ <b>C</b>		
	Ф9.52(3/8")g6	-58A/B/ <b>C</b>		
	Ф10g6	-58A/B/ <b>C</b>		
Hollow shaft diameter (mm)	Ф8Н7/Ф9.52Н7/Ф10Н7	-58W		
	Ф12Н7/Ф14Н7/ Ф15Н7	-58W		
Protection Class	IP65			
Speed (r/m)	6000			
Axial load capacity	80N			
Radial load capacity	160N			
Shock resistance	50G/11ms			
Vibration resistance	10G 10~2000Hz			
Bearing life	10 <sup>9</sup> revolution			
Moment of inertia	approx. 1.8×10 <sup>-6</sup> kgm <sup>2</sup>			
Starting torque	<0.05Nm			
Housing material	AL UNI 9002/5 - (D11S)			
Cover material	AL 6060			
Flange material	AL UNI 9002/5 - (D11S)			
Operating temperature	-40°C+80°C			
Storage temperature	-45°C+85°C			
Weight	800g			
	0			

### **Electrical Characteristics**

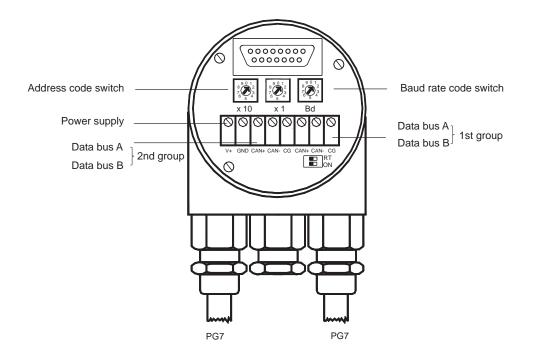
Max.revolution	4096 (12 bits)
Max revsolution/revolution	8192 (13 bits)
Supply voltage (Vdc)	1030Vdc
Power consumption (no load)	350mA
Bus Max. rate	500K
Linearity	+/- 1/2 LSB
Protocal	DeviceNet Profile for Encoder Release V2.0

### **Terminal Assignment**

V+	Power supply (24Vdc)			
GND	Power ground (24Vdc)			
CG	CAN GND			
CAN-	CAN Low			
CAN+	CAN High			
CG	CAN GND			
CAN-	CAN Low			
CAN+	CAN High			

4096 (Max. revolution) × 8192 (Max. resolution of single turn)





Regulate station address

The station address can be regulated by the swith and be distributed only once among the address 1 to 63.

Regulate terminal resistor

Set the terminal resistor (120  $\Omega)$  into the circuit by the DIP switch.

Last station

Station X





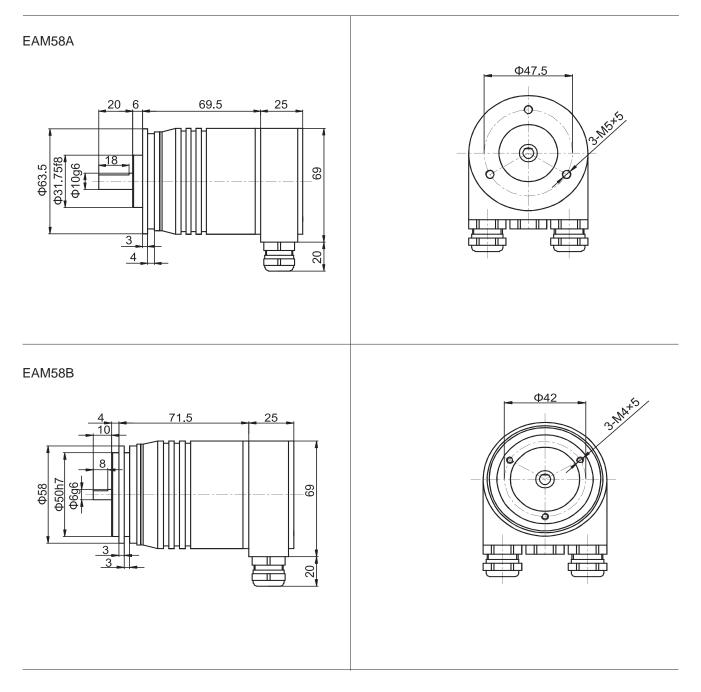
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#### Regulate Baud rate

Baud rate k bit/s	Switch
125	0
250	1
500	2

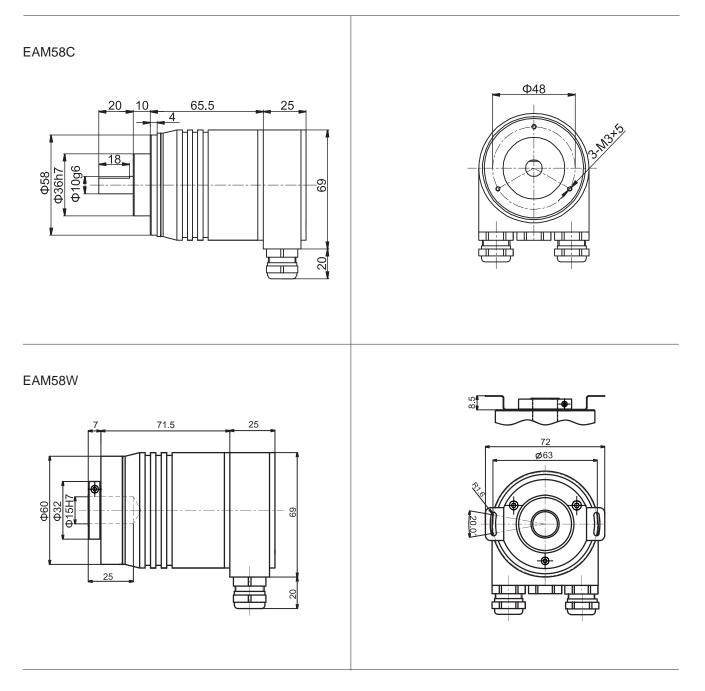


## Dimension (mm)



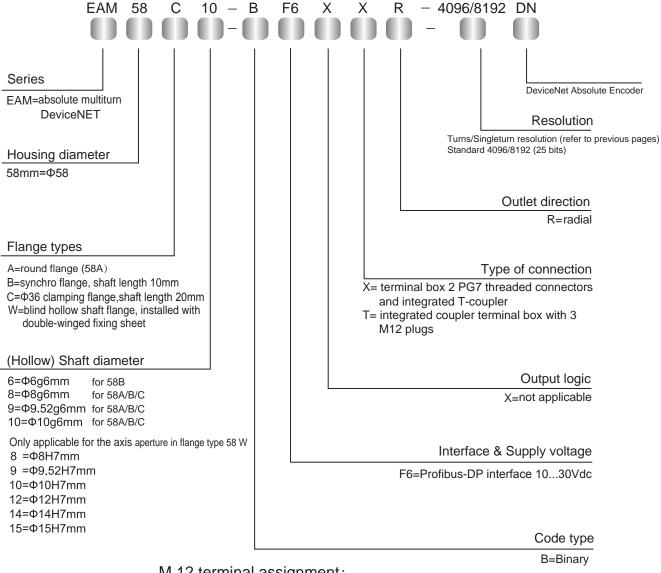


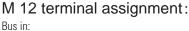
## Dimension (mm)





### Order Code:







Signal	DRAIN	+ V DC	– V DC	CAN_H	CAN_L
Pin	1	2	3	4	5

Bus out:



For 5-core male plug, the order code of "T" connector is: TMSP12F-F5

Signal	DRAIN	+ V DC	– V DC	CAN_H	CAN_L
Pin	1	2	3	4	5

For 5-core female plug, the order code of "T" connector is: TMSP12F-M5