

Intro. and Quick Selection

Incremental encoder

Absolute encoder

special position device

Accessories and Kits

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EAXS58

Ethernet Solid Shaft Encoder

Features

- Standard Ethernet interface, $\phi 58\text{mm}$ standard od
- Supports Profinet, PowerLink, TCP/IP and other protocols
- Up to 21 bitsingleturn, 14bitmultiturn
- Suitable for industrial Internet of Things and other applications



Specifications

Electrical Specifications

Interface Ethernet

Supply Voltage 10-30VDC

Current Consumption 4W

Output Code Binary

Resolution 21 bit single turn (Max.), 14 bit multiturn (Max.)

Output speed 10M or 100MBit/s

Criterion Standard Ethernet

linearity 0.5LSB

Mechanical Specifications

Maximum speed 12000rpm

Shaft load Axial 50N Radial 100N

Starting Torque <0.05Nm

Shock Resistance EN 60068-2-27 1000m/s² 6ms

Vibration Resistance EN 60068-2-6 100m/s² 55....2000HZ

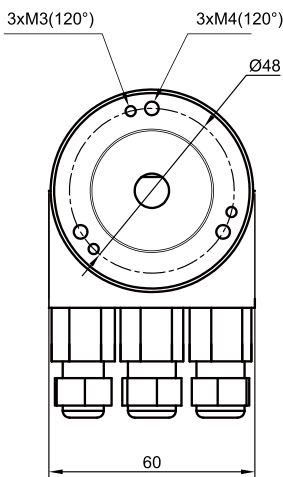
Operating Temperature -40°C to +80°C

Protection Class IP66

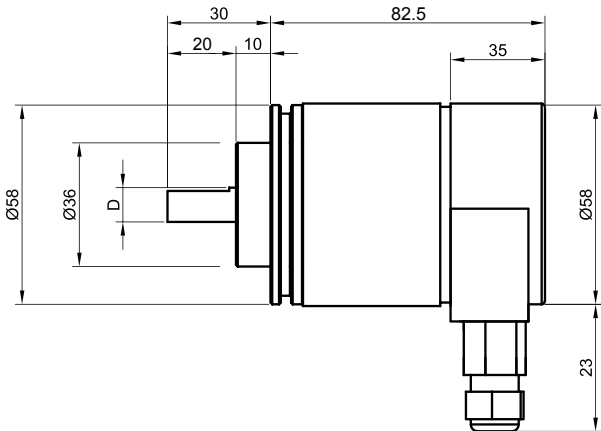
Material aluminium alloy

Weight 300g

Dimension (Installation flanges, hole positions, etc. shall be subject to the order confirmation)



unit: mm



D=6,10,on request

Connection

NET	CD(M12)
RXD+	1(X1,X2)
TXD+	2(X1,X2)
RXD-	3(X1,X2)
TXD-	4(X1,X2)
/	5(X1,X2)
VCC	1(X3)
VCC	2(X3)
GND	3(X3)
GND	4(X3)
PE	5(X3)

Ordering Code

Example: EASS580012E06PNCD
58single turn 12 bit resolution profinet solid shaft encoder, power voltage 10-30V DC, axle diameter 6mm, terminal box

EAXS58	resolution	power	shaft	output	connection
EASS=ST	1212=12 MT	E=10-30VDC	06=6x10mm	PN=profinet	CD=M12
EAMS=MT	12 ST		10=10x20mm	PL=Powerlink	A-coded+M12
	1214=12 MT		XX=custom-made	TI=TCIP/IP	D-coded*2
	14 ST				
	1021=10 MT				
	21 ST				
	1220=12 MT				
	20 ST				
	1418=14 MT				
	18 ST				
	0012=12 ST				
	0021=21 ST				
	custom-made				