

Intro. and Quick Selection

Incremental encoder

Absolute encoder

special position device

Accessories and Kits

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EAXS90

Heavy-duty Solid Shaft Encoder

Features

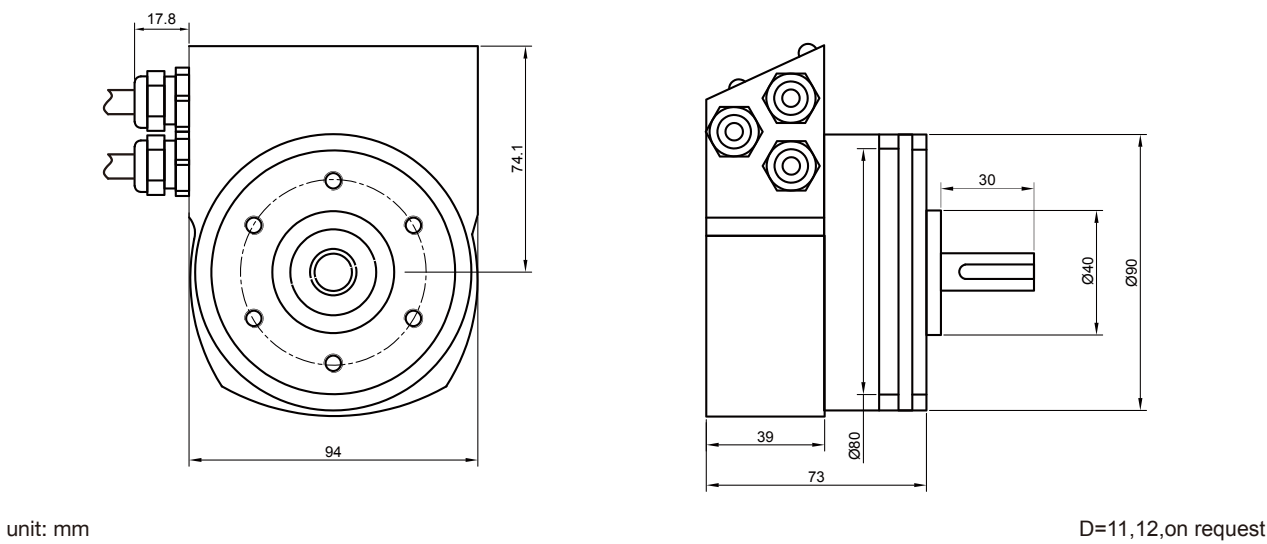
- Heavy duty large size absolute encoder
- Standard profibus protocol
- Up to 13 bit singleturn, 16 bit multiturn
- Suitable for mining machinery, power plants, and other occasions



Specifications

Electrical Specifications		Mechanical Specifications	
Interface	Profibus DP	Maximum speed	6000rpm
Supply Voltage	10-30VDC	Shaft load	Axial 100N Radial 200N
Current Consumption	200mA	Starting Torque	<0.06Nm
Output Code	Binary	Shock Resistance	EN 60068-2-27 1000m/s² 6ms
Resolution	13 bit single turn (Max.), 16 bit multiturn (Max.)	Vibration Resistance	EN 60068-2-6 100m/s² 55....2000HZ
Output speed	0.001-12MBit/s	Operating Temperature	-10°C to +80°C
Criterion	DPV0,DPV1 and DPV2 Class 2	Protection Class	IP65/IP67 (option)
linearity	1LSB	Material	galvanized aluminum housing/ Stainless steel
		Weight	1500g

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



Connection

DP	Z
A	1
B	2
+	3
-	4
A	5
B	6
+	7
-	8

Ordering Code

Example: EASS90SS0012E12DPZ
90single turn 12 bit resolution profinet solid shaft encoder, power voltage 10-30V DC, axle diameter 12mm, terminal box, stainless steel housing

EAXS90	shell	resolution	power	shaft
EASS=ST EAMS=MT	L=Galvanized aluminum SS=stainless steel	1212=12 MT 12 ST 1412=14 MT 12 ST 1612=16 MT 12 ST 0012=12 ST customizable	E=10-30VDC	11=11x30mm 12=12x30mm

output	connection
DP=profibus	Z=terminal 3xPG9