

Intro. and Quick Selection

Incremental encoder

Absolute encoder

special position device

Accessories and Kits

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EAXS58

DP Solid Shaft Encoder

Features

- With optical coupler isolation standard PROFIBUS-DP interface
- Terminal resistance, address and so on can be set (dip switch)
- Up to 21 bitsingleturn,14bitmultiturn
- Suitable for group control with industrial bus and other applications



Specifications

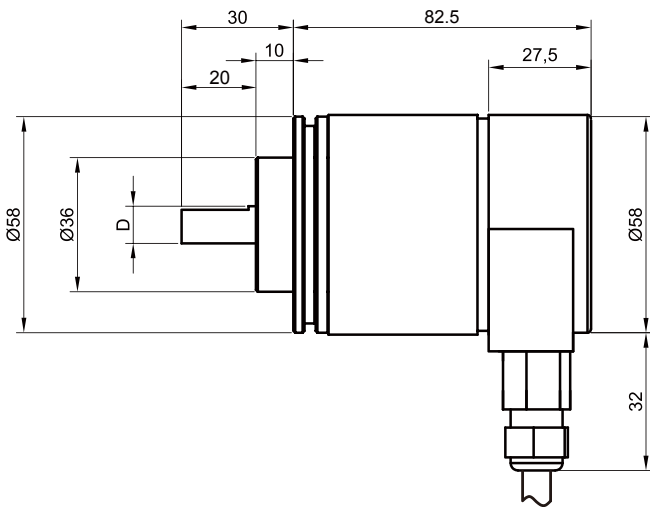
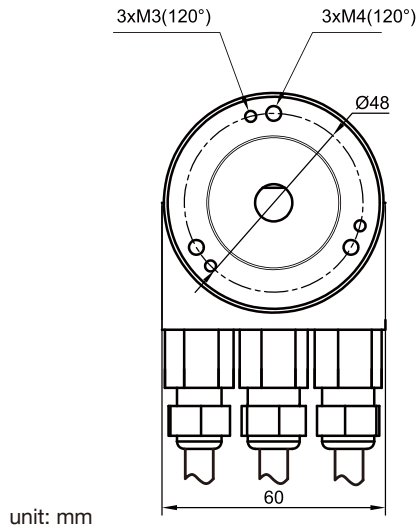
Electrical Specifications

Interface	Profibus DP
Supply Voltage	10-30VDC
Current Consumption	200mA
Output Code	Binary
Resolution	21 bit single turn (Max.), 14 bit multiturn (Max.)
Output speed	0.001-12MBit/s
Criterion	DPV0,DPV1 and DPV2 Class 2
linearity	1LSB

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)



D=6,10,on request

Connection

DP	Z
BUS IN(B)	5
BUS IN(A)	6
BUS IN(0 V)	2
BUS IN(+ V)	1
BUS OUT(B)	7
BUS OUT(A)	8
BUS OUT(0 V)	4
BUS OUT(+ V)	3

Ordering Code

Example: EASS580012E06DPZ
58single turn 12 bit resolution profibus 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	DP=profinbus	Z=tenminal
EAMS=MT	12 ST		10=10x20mm		3xPG9
	1214=12 MT		XX=custom-made		
	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				