

Intro. and Quick Selection

Incremental encoder

Absolute encoder

special position device

Accessories and Kits

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DAXS58

Standard Solid Shaft Encoder

Features

- Strong anti-interference capability
- Standard CANopen protocol, SSI and biss protocol
- Up to 16 bit singleturn,14 bit multiturn
- Suitable for assembly line monitoring and other applications



CANopen SSI

Specifications

Electrical Specifications

Interface CAN open SSI/BISS

Supply Voltage 10-30VDC, 5VDC

Current Consumption 50mA 80mA

Output Code Binary Binary/Gray

Resolution 16 bit single turn (Max.),
14 bit multiturn (Max.)

Output speed 1MBit/s 0.1-2 MBit/s

Criterion DSP406, Class 1 Class2 RS422

linearity 1LSB

Mechanical Specifications

Maximum speed 8000rpm

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

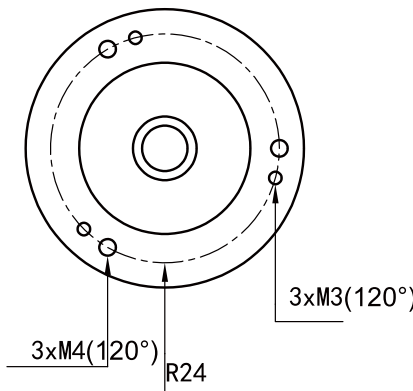
Operating Temperature -40°C to +80°C

Protection Class IP65/IP67 (option)

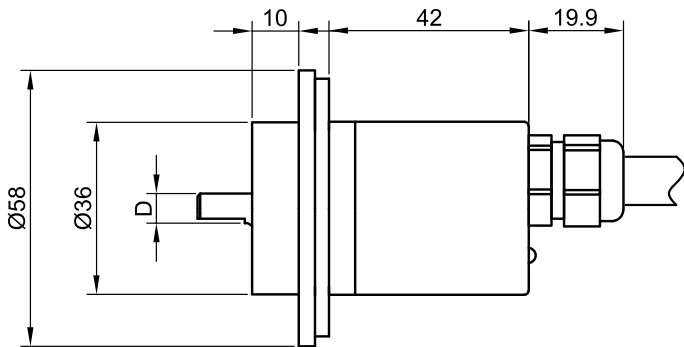
Material Stainless steel (316L)

Weight 150g

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



unit: mm



D=6,8,on request

Connection

SSI	3A/3R	6A/6R
GND	white	2
VCC	brown	1
CLCOK+	green	6
CLOCK-	yellow	4
DATE+	grey	5
DATE-	pink	8
ZERO	blue	7
DIR	red	3

CANopen	3R	6R
GND	white	3
VCC	brown	2
CAN_GROUND	green	1
CAN_LOW(-)	yellow	5
CAN_HIGH(+)	grey	4

Ordering Code

Example: DASS580012E06SB3A
58single turn 12 bit resolution SSI binary solid shaft encoder, power voltage 10-30V DC, radial straight out cable

DAXS58	resolution	power	shaft	output	connection
DASS=ST	1212=12 MT	A=5VDC	06=6x10mm	SB=SSI binary	3A=axial output
DAMS=MT	12 ST	E=10-30VDC	08=8x12mm	SG=SSI gray	3R=radial output
	1213=12 MT		XX=custom-made		6A=connector axial output (cw)
	13 ST				6R=connector radial output (cw)
	1214=12 MT				
	14 ST				
	1216=12 MT				
	16 ST				
	0012=12 ST				
	0016=16 ST				
	custom-made				