

Intro. and Quick Selection

Incremental encoder

Absolute encoder

special position device

Accessories and Kits

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DAXS37

Small Solid Shaft Encoder

Features

- Small size, easy to install
- Standard CANopen protocol, SSI and biss protocol
- Up to 16 bit singleturn,14 bit multiturn
- Suitable for instrument 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 20N Radial 40N

Starting Torque <0.02Nm

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

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

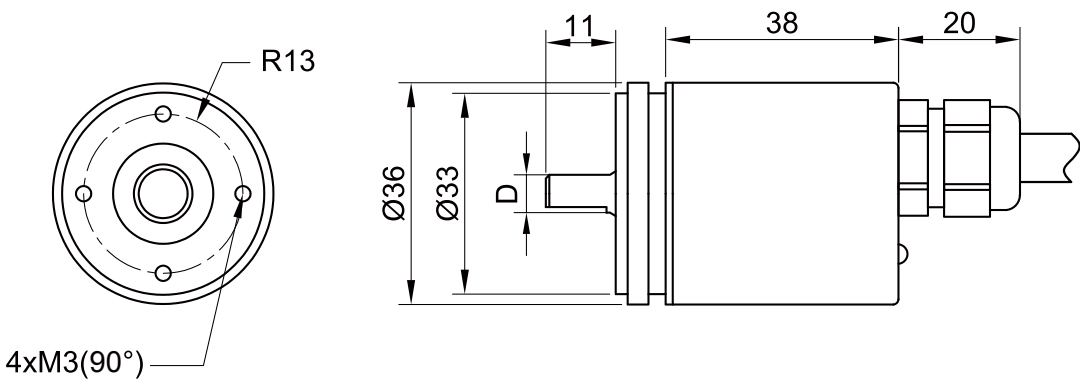
Operating Temperature -40°C to +80°C

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,on request

Connection

SSI 3A/3R

GND	white
VCC	brown
CLCOK+	green
CLOCK-	yellow
DATE+	grey
DATE-	pink
ZERO	blue
DIR	red

CANopen 3A/3R

GND	white
VCC	brown
CAN_GROUND	green
CAN_LOW(-)	yellow
CAN_HIGH(+)	grey

Ordering Code

Example: DASS370012E06SB3A
37single turn 12 bit resolution SSI binary solid shaft encoder, power voltage 10-30V DC, radial straight out cable

DAXS37	resolution	power	shaft	output	connection
DASS=ST	1212=12 MT	A=5VDC	06=6x11mm	SB=SSI binary	3A=axial output
DAMS=MT	12 ST	E=10-30VDC	XX=custom-made	SG=SSI gray	3R=radial output
	1213=12 MT			CO=CANopen	
	13 ST				
	1214=12 MT				
	14 ST				
	1216=12 MT				
	16 ST				
	0012=12 ST				
	0016=16 ST				
	custom-made				