

Features

- 50 mm case diameter
- Through shaft: 8 mm shaft diameter
- 1024 ppr. resolution
- Incremental encoder output: High Linedriver
- A, A', B, B', Z, Z' channels
- 5-24VDC Supply Voltage
- 3500 rpm max. Speed limit
- 2.5 meter cable

RS PRO Motion Control Sensors

RS Stock No.: 0359020

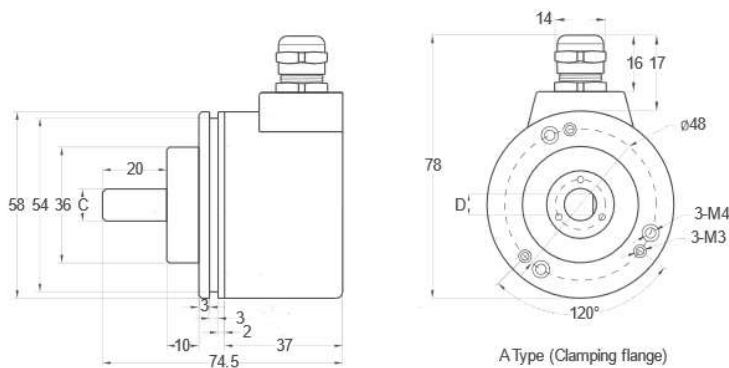


RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

This encoder designed as high robust, through shaft rotary encoder, using incremental optical measuring technology, up to 1024 ppr. resolution. This encoder provides angular speed & displacement feedback for wide range of industrial applications.

Mechanical Specifications



TTL - HLD - Linedri ver Cable Output
 +V : Brown
 0V : White
 GND: Shield
 Ch A: Yellow
 Ch B: Green
 Ch Z: Gray
 Ch A inv: Blue
 Ch B inv: Red
 Ch Z inv: Pink

PRI 58	A (shaft)	
	C	D
	Ø6mm	5mm
	Ø8mm	7mm
	Ø10mm	9mm

General Specifications

Encoder Technology	Rotary Encoder
Resolution	1024 ppr.
Type of measurement	Optical
Output channels	A, A', B, B', Z, Z'
Output Signal Type	Linedriver
Supply Voltage	5-24 VDC
Power consumption (without load)	<40 mA (24 VDC)
Maximum permissible shaft loading	Radial: 60 N Axial: 40 N
Electrical connections	2.5 meter 8wire + shield
Displacement speed	3500 rpm
Shaft Type	Through Shaft
Shaft diameter	8 mm
Shaft material	Stainless steel
Case dimension	50 mm
Case material	Aluminium and painted steel
IP Rating	IP 54
Operating temperature	-20°C ... +80°C
Storage temperature	-30°C ... +90°C

Approvals

Declarations	CE, UKCA, ROHS, REACH
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Similar Products

RS PRO Part Number	Shaft Diameter	Output	Resolution	Power Supply	Connector / Cable
0359014	8	High Line driver A, A', B, B' Z, Z'	100 ppr.	5-24 VDC	2,5 meter cable
0359016	8	High Line driver A, A', B, B' Z, Z'	360 ppr.	5-24 VDC	2,5 meter cable
0359017	8	High Line driver A, A', B, B' Z, Z'	500 ppr.	5-24 VDC	2,5 meter cable
0359019	8	High Line driver A, A', B, B' Z, Z'	1000 ppr.	5-24 VDC	2,5 meter cable
0359022	8	High Line driver A, A', B, B' Z, Z'	2048 ppr.	5-24 VDC	2,5 meter cable