

Features

- 50 mm case diameter
- Through shaft: 8 mm shaft diameter
- 2048 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.: 0359022

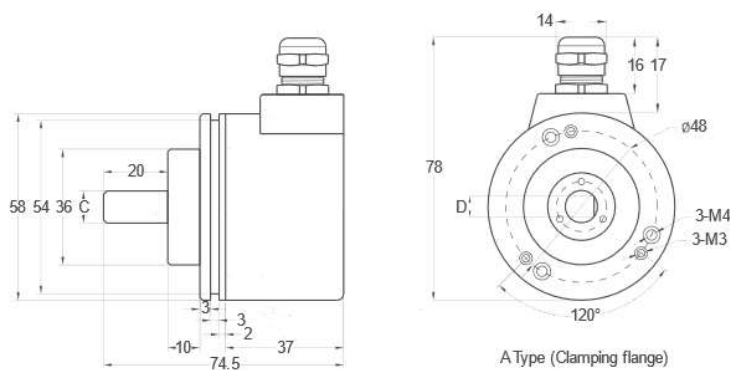


RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

This encoder designed as high robust, through shaft rotary encoder, using incremental optical measuring technology, up to 2048 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: Geen
 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 | 2048 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 |
|--------------|-----------------------|

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 |
| 0359020 | 8 | High Line driver A, A', B, B' Z, Z' | 1024 ppr. | 5-24 VDC | 2,5 meter cable |