

PRI 58SH PRI 58H

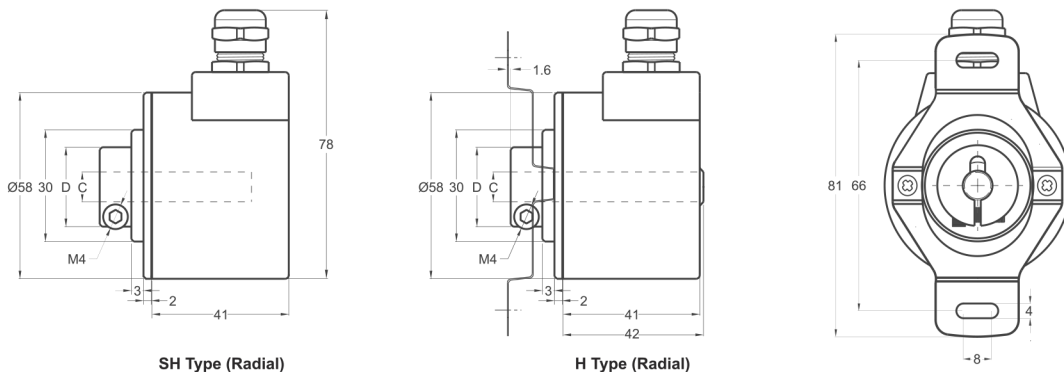
Optic Rotary Incremental Encoder



- 58 mm case diameter
- Hollow and semi-hollow shaft
- 100 - 200 - 360 - 400 - 500 - 600 - 720 - 1000 - 1024
1800 - 2000 - 2048 - 2500 - 3600 - 4000 - 4096 - 5000 ppr.
- Push-Pull, TTL Linedriver and HTL Linedriver outputs
- Shaft diameter 6 - 8 - 10 - 12 - 14 - 15 mm
- 3500 rpm max.

Technical Specifications

| | |
|---------------------------------------|---|
| Resolution | 100 to 5000 ppr. |
| Output Channels | A,B,Z or A,Ā, B,Ī, Z,Ż |
| Output Type | Push-Pull, TTL Linedriver, HTL Linedriver |
| Supply Voltage | 5 VDC, 8 - 24 VDC or 5 - 24 VDC |
| Power Consumption (without load) | < 40 mA (24 VDC) |
| Cable | 2.5m (standard) 5 wire + Shield (Push-Pull) 2.5m (standard) 8 wire + Shield (Linedriver) |
| Max. Permissible Shaft Loading Radial | 60 N |
| Axial | 40 N |
| Max. Speed | 3500 rpm |
| Shaft Diameter | Ø6 - 8 - 10 - 12 - 14 - 15 mm |
| Shaft Material | Stainless steel |
| Case Diameter | Ø58 mm |
| Case Material | Aluminium and painted steel |
| IP Degree | IP 54 |
| Operating Temperature | -20°C ... +80°C |
| Storage Temperature | -30°C ... +90°C |



SH Type (Radial)

H Type (Radial)

| PRI 58SH / H | SH (semi hollow) / H (hollow) | |
|--------------|-------------------------------|-------|
| | C | D |
| | Ø6 mm | 20 mm |
| Ø8 mm | 22 mm | |
| Ø10 mm | 23,5 mm | |
| Ø12 mm | 23,5 mm | |
| Ø14 mm | 29,5 mm | |
| Ø15 mm | 29,5 mm | |

Push-Pull Cable Output

+V : Brown
0V : White
GND: Shield
Ch A : Yellow
Ch B : Green
Ch Z : Gray

TTL - HTL Linedriver 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

| Model | Case Diameter | Case Type | Shaft Diameter | Output Type | Resolution | Output Channels | Supply Voltage | Connector / Cable | Cable Output |
|---------------|---------------|-------------------------------|--|--|-------------------|--------------------|---|--|--------------|
| (example) PRI | 58 | SH | 8 | HLD | 1024 | Z | V2 | 2M5 | R |
| PRI | 58mm | SH: Semi hollow H : Hollow | 6 : 6 mm 8 : 8 mm 10: 10 mm 12: 12 mm 14: 14 mm 15: 15 mm | LTP : Push-Pull TTL : TTL Linedriver HLD: HTL Linedriver | 100 ... 5000 ppr. | Z: A,B,Z B: A,B | V1: 5 VDC V2: 8-24 VDC V3: 5-24 VDC | 2M5: 2,5 meter cable 5M : 5 meter cable 8M : 8 meter cable 10M: 10 meter cable C12: 12 pin connector | R: Radial |