PRI 58SH/H

Optic Rotary Incremental Encoder
(Semi hollow shaft / Hollow shaft)

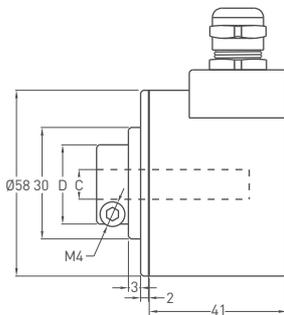**OPKON**
Sense the motion

INCREMENTAL ⎍⎍

- 58 mm case dimensions
- Hollow shaft or semi hollow shaft case
- 100 - 200 - 360 - 400 - 500 - 600 - 720 - 1000 - 1024
  1800 - 2000 - 2048 - 2500 - 3600 - 4000 - 4096 - 5000 ppr.
- Push-Pull, TTL, Linedriver or HLD output
- Rod diameters 6 - 8 - 10 - 12 - 14 - 15 mm
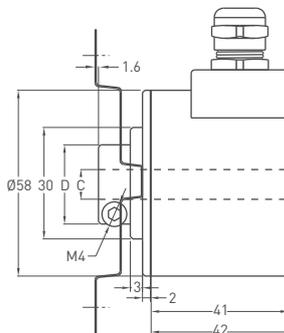- 3500 rpm max.

Technical Specifications

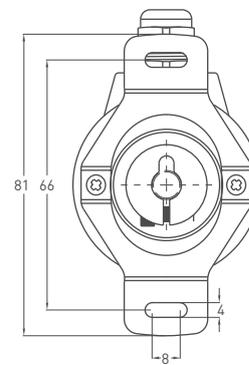|	
Resolution	100 - 5000 ppr.
Output channels	A, B, Z or A,Ā, B,B̄, Z,Z̄
Output type	TTL, Linedriver, Push-Pull, HLD
Power supply	5 VDC or 5-24 VDC or 8-24 VDC
Power consumption (without load)	<40 mA (24 VDC)
Cable	2,5 meter (standard) 5 wire + shield (Push-Pull)
	2,5 meter (standard) 8 wire + shield (Linedriver)
Max. permissible shaft loading: Radial	100 N
: Axial	60 N
Displacement speed	3500 rpm
Rod diameter	Ø6 - 8 - 10 - 12 - 14 - 15 mm
Rod material	Stainless steel
Case dimensions	Ø58 mm
Case material	Aluminium and painted steel
Protection level	IP 54
Operating temperature	-20°C ... +80°C
Storage temperature	-30°C ... +90°C

Mechanical Specifications

SH Type (Radial)

H Type (Radial)

PRI 58SH / H	SH (semi hollow) /	H (hollow)
	C	D
	Ø6mm	20mm
	Ø8mm	22mm
	Ø10mm	23,5mm
	Ø12mm	23,5mm
	Ø14mm	29,5mm
	Ø15mm	29,5mm

Push-Pull Cable Output
+V   : Brown
0V   : White
GND : Shield
Ch A : Yellow
Ch B : Green
Ch Z : Gray

TTL - HLD - 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

Ordering Procedure

Model	Case dimensions	Case type	Shaft diameter	Output type	Resolution	Output signal	Power supply	Connector / Cable	Cable output
PRI	58	SH	8	HLD	1024	Z	V2	2M5	R
PRI	58: 58 mm	SH : Semi hollow H : Hollow	6 : 6mm 8 : 8mm 10 : 10mm 12 : 12mm 14 : 14mm 15 : 15mm	LTP : Push-Pull LD : Linedriver HLD : High Linedriver TT : TTL	100 - 5000 ppr.	Z : A, B, Z B : A, B ZZ̄ : AĀ, BB̄, ZZ̄	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 CN12D : 12 pin connector	R : Radial

DS.PRI58SH.-H.ENG.09.12.24.AN