562

Incremental hollow-shaft encoder

- **6 short-circuit protected outputs 1, $\overline{1}$, 2, $\overline{2}$, 0, $\overline{0}$**
- **IP 65, encapsulation class**
- **5 Vdc or 9...30 Vdc**
- **All through hollow shaft**
- **Robust housing for harsh environment**
- **Shock and vibration protected**

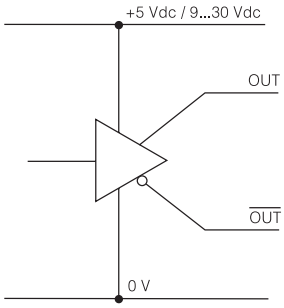
ELECTRICAL SPECIFICATION

Supply voltage +EV	9-30V	5V ±10%
	Polarity protected	---
Current consumption at no load	65mA @ 24V Max 75mA	45mA Max 70mA
Line counts (free choice)	1...3600 ppr	
Measuring steps	Max 14 400/r	
Accuracy Dividing error Channel separation	 ± 50° el 90° ± 25° el	
Outputs	HTL	RS-422, TTL
	Short circuit protected	
Load max	± 40mA	± 20mA
Max cable length	200m @ 50kHz	1km (TIA/EIA-422-B)
U_{high} (at 10mA load) U_{low} (at 10mA load)	> +EV - 2,0V < 1,15V	> 3,0V < 0,4V
Frequency range	0...200kHz	

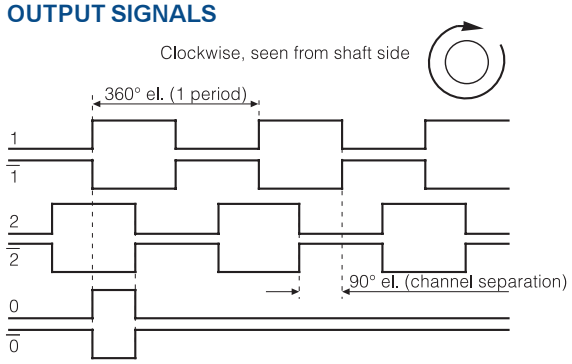
ACCESSORIES

Mating connector Options -00- Options -05-	 Part. No. 00201009 (8 pin PT) Part. No. 01209090 (12 pin EML)
Torque arm	Part. No. 01209032

OUTPUT CIRCUIT



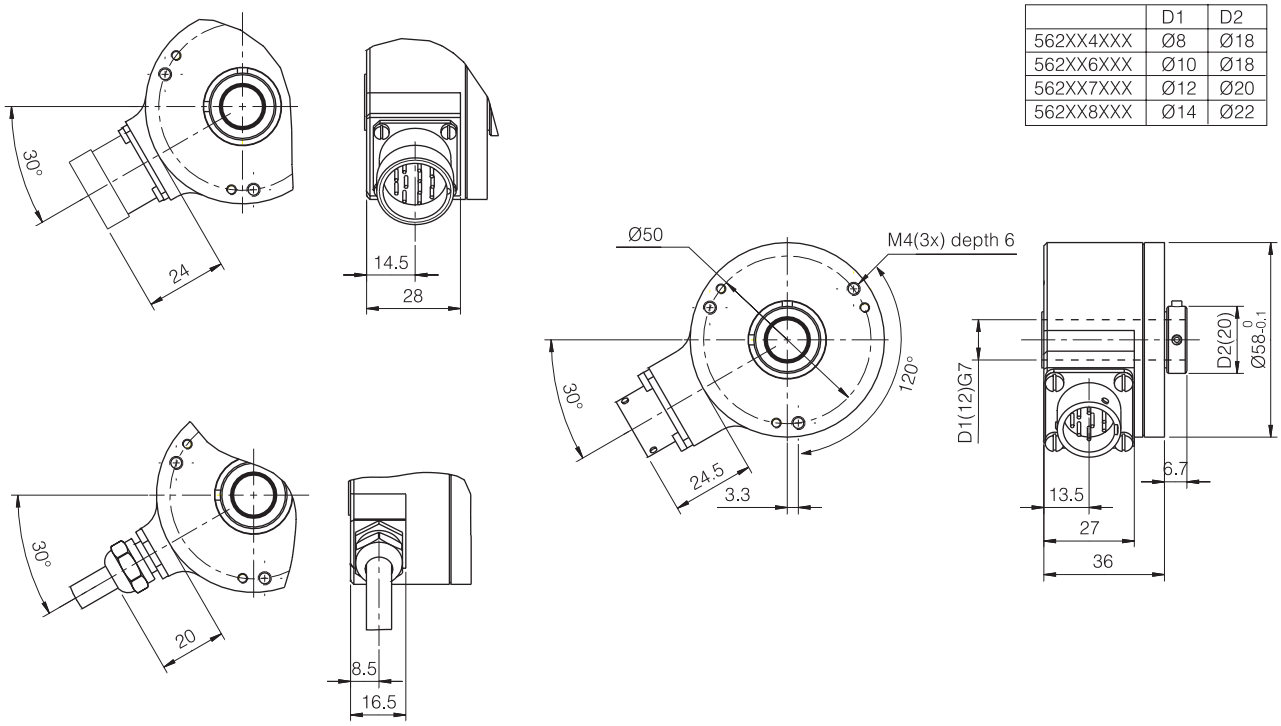
OUTPUT SIGNALS



CONNECTION

Function	8 pin PT	12 pin EML	Colour
1	A	8	Green
$\overline{1}$	B	1	White
2	C	6	Black
$\overline{2}$	D	5	Yellow
+ E Volt	E	12	Red
0 Volt	F	10	Blue
0	G	3	Brown
$\overline{0}$	H	4	Violet
Case			Shield

562



	D1	D2
562XX4XXX	Ø8	Ø18
562XX6XXX	Ø10	Ø18
562XX7XXX	Ø12	Ø20
562XX8XXX	Ø14	Ø22

MECHANICAL SPECIFICATION

Shaft, Stainless steel	Hollow-shaft Ø 8, 10, 12, 14mm
Moment of inertia	5,4 x 10^{-6} kgm²
Load max	
Radial	20N
Axial	10N
Speed max	6000 rpm
Code disc	Unbreakable acrylic glass
Temperature	
Operating	-25°C ... +70°C
Storage	-25°C ... +70°C
Housing	Aluminum, anodized
Weight	Approx. 250g
Protection class	IP 65 according to IEC 529
Vibration	<100m/s² (50...2000 Hz)
Shock	<1000m/s² (11ms)
Cable	6x0,25mm² 2x0,35mm² PVC

ORDERING INFORMATION

5 6 2 - [ ][ ][ ][ ][ ][ ] - [ ][ ][ ][ ]

Option
00 = Standard, cable or 8-pin PT
05 = 12 pin EML connector

Shaft
4 = Ø 8 mm, hollowshaft
6 = Ø 10 mm, hollowshaft
7 = Ø 12 mm, hollowshaft
8 = Ø 14 mm, hollowshaft

Connection
2 = Connector, radial
3 = Cable, radial 1.5 m
9 = Cable, radial xx m

Supply voltage
1 = 5 Vdc
5 = 9...30 Vdc
7 = 9...30 Vdc (RS-422 outputs)

Internal use
1 = 1 ... 2500 ppr
2 = 2501 ... 3600 ppr

Line counts

Leine & Linde *ISO 9001 certified*
Leine & Linde AB, Box 8, SE-645 21 Strängnäs, Sweden. Olivehällsvägen 8.
Phone: +46 (0)152 265 00. Fax: +46 (0)152 265 05. E-mail: info@leinelinde.se

01-03-22 PS. Specifications can be changed without prior notice.