525

Incremental tandem encoder

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

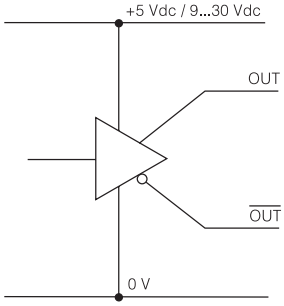
ELECTRICAL SPECIFICATION

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...5000	
Measuring steps	Max 20 000/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	

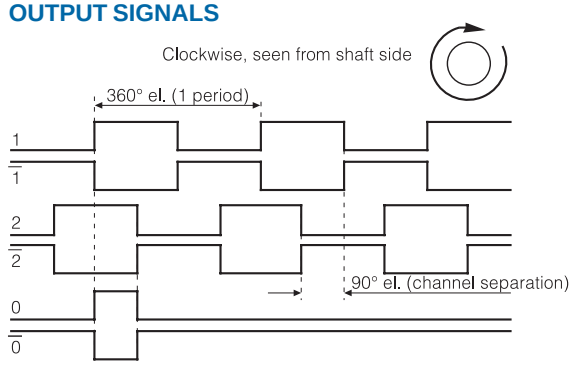
ACCESSORIES

Mounting bracket	See datasheets for accessories
Mounting kit	
Bearing box	
Couplings	

OUTPUT CIRCUIT



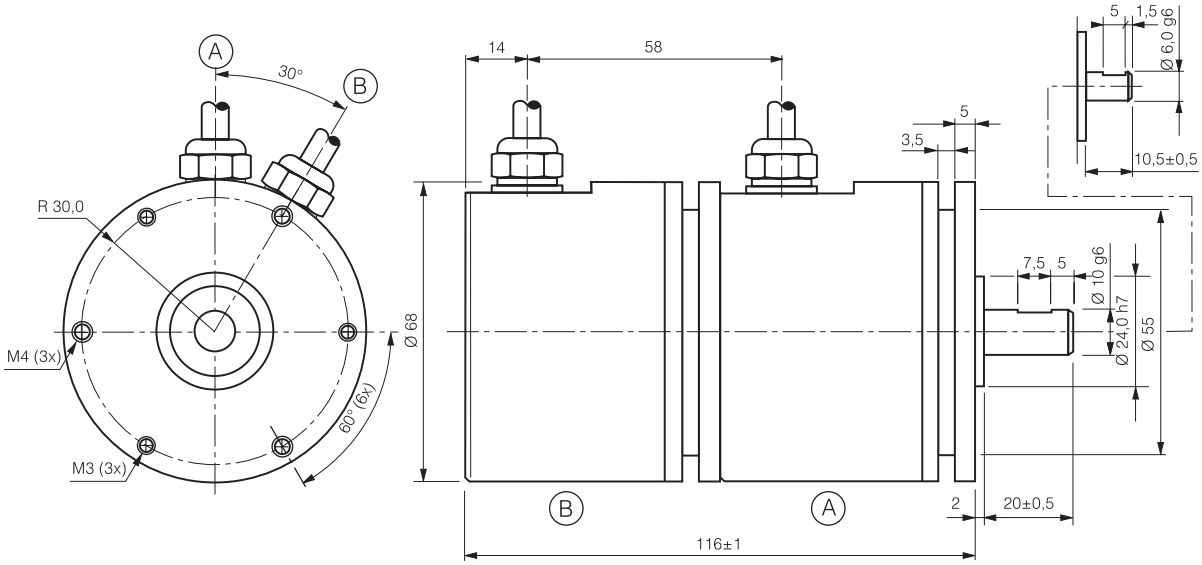
OUTPUT SIGNALS



CONNECTION

Function	Colour
1	Green
$\overline{1}$	White
2	Black
$\overline{2}$	Yellow
+ E Volt	Red
0 Volt	Blue
0	Brown
$\overline{0}$	Violet
Case	Shield

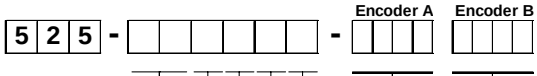
525



MECHANICAL SPECIFICATION

Shaft, Stainless steel	Ø6mm, Ø10mm
Moment of inertia	5,5 x 10^{-6} kgm²
Load max	
Radial	60N
Axial	50N
Speed max	6000 rpm
Code disc	Standard
Temperature	
Operating	-25°C ... +70°C
Storage	-25°C ... +70°C
Housing	Aluminum, anodized
Weight	Approx. 950g
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



Option

Encoder A	Encoder B
00 = 9-30V, HTL	9-30V, HTL
60 = 9-30V, HTL	5V, RS422
61 = 5V, RS422	9-30V, HTL
62 = 5V, RS422	5V, RS422
63 = 9-30V, HTL	9-30V, RS422

Shaft

1 = Ø 6 mm with face
6 = Ø 10 mm with face

Connection

3 = Cable, radial 1.5 m
9 = Cable, radial xx m

Supply voltage

9 = See options

Internal use

1 = 1 … 2500 ppr
2 = 2501 ... 5000 ppr

Line counts

Leine&Linde *ISO 9001 / ISO 14001 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

04-06-17 PS. Specifications can be changed without prior notice.