



Absolute singleturn hollow shaft encoders

- ▶ Robust housing for harsh environment
- ▶ 10 bit
- ▶ IP 65, encapsulation class
- ▶ 5 Vdc or 9...30 Vdc
- ▶ Parallel Gray output
- ▶ Enable function

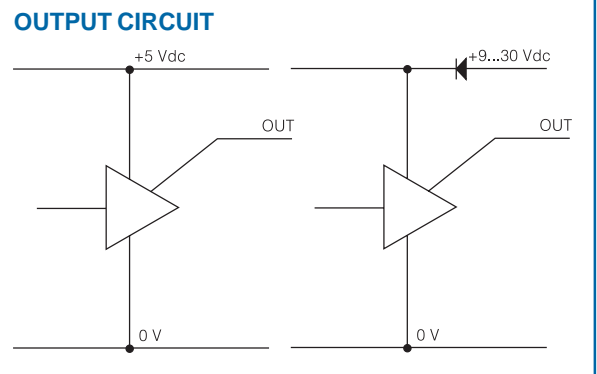


ELECTRICAL SPECIFICATION

Supply voltage +EV	9-30V	5V ±10%
	Polarity protected	---
Current consumption at no load, Sink	40mA @ 24V Max 75mA	85mA Max 145mA
Resolution	10 Bit, 1024 positions / revolution	
Accuracy	± ½ LSB	
Outputs, Parallel	HTL	TTL
Code	Gray Short circuit protected	
Load max	± 20mA	
U _{high} (at 10mA load)	> +EV - 3,0V	> 3,0V
U _{low} (at 10mA load)	< 0,4V	< 0,4V
Frequency range	0...100kHz	
Inputs	ENABLE	DIRECTION
+EV = 9-30V		
U _{high}	> +EV x 0,6	> +EV x 0,6
U _{low}	< +EV x 0,25	< +EV x 0,25
+EV = 5V		
U _{high}	> 2V	> 2V
U _{low}	< 0,8V	< 0,8V
Active	High	High (CCW)
Not connected	High	Low (CW)
Delay	10µs	150µs

ACCESSORIES

Mating connector	Part. No. 01209090 (12 pin EML)
Torque arm	Part. No. 01209032



CONNECTION

Function	12 pin EML	Colour
Bit 1	1	White
Bit 2	2	Brown
Bit 3	3	Green
Bit 4	4	Yellow
Bit 5	5	Grey
Bit 6	6	Pink
0 Volt	10	Blue
+ E Volt	12	Red
Bit 7	7	Black
Bit 8	8	Violet
Bit 9	9	Grey/Pink
Bit 10	11	Blue/Red
DIRECTION		Green/White
ENABLE		Green/Brown

