



## 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



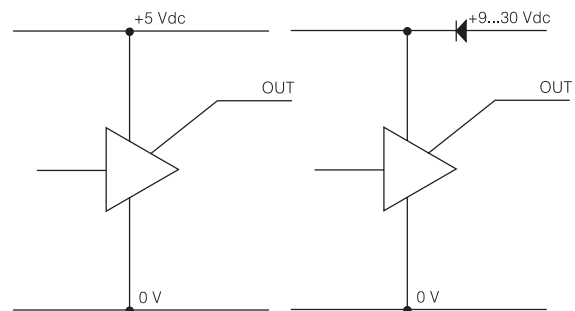
## ELECTRICAL SPECIFICATION

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	
Accuracy	± ½ LSB	
Outputs, Parallel	HTL	TTL
Code	Gray, Excess Short circuit protected	
Load max	± 20mA	
U <sub>high</sub> (at 10mA load)	> +EV - 3,0V	> 3,0V
U <sub>low</sub> (at 10mA load)	< 0,4V	< 0,4V
Frequency range	0...100kHz	
Inputs	ENABLE	DIRECTION
+EV = 9-30V		
U <sub>high</sub>	> +EV x 0,6	> +EV x 0,6
U <sub>low</sub>	< +EV x 0,25	< +EV x 0,25
+EV = 5V		
U <sub>high</sub>	> 2V	> 2V
U <sub>low</sub>	< 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

## OUTPUT CIRCUIT



## 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

