



Incremental double Heavy Duty hollow shaft encoder

- ▶ Extremely robust housing for harsh environments
- ▶ Shock and vibration protected
- ▶ IP 65, encapsulation class
- ▶ Two galvanically separated encoders in one housing
- ▶ 3 + 6 short-circuit protected outputs



ELECTRICAL SPECIFICATION

Supply voltage +EV	9-30V	5V ±10%
	Polarity protected	---
Current consumption at no load	65mA @ 24V Max 80mA	85mA Max 155mA
Line counts (free choice)	150...2500 ppr	
Measuring steps	Max 10 000/r	
Accuracy		
Dividing error	± 50° el	
Channel separation	90° ± 25° el	
Outputs	HTL	RS-422
	Short circuit protected	
Load max	± 40mA	± 20mA
Max cable length	200m @ 50kHz	1km (TIA/EIA-422-B)
U _{high} (at 10mA load)	> +EV - 4,0V	> 3,0V
U _{low} (at 10mA load)	< 2,5V	< 1,15V
Frequency range	0...100kHz	0...200kHz

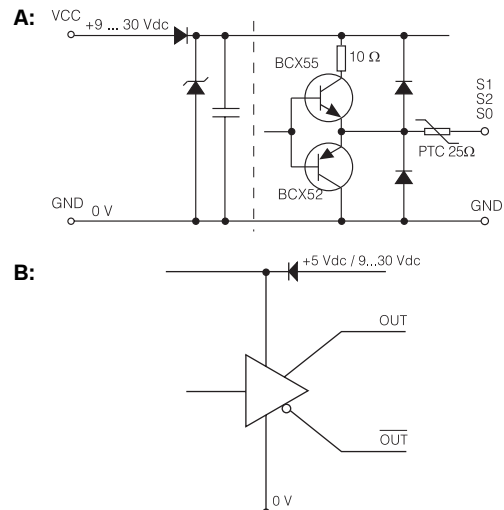
ACCESSORIES

Torque arm M5	Part. No. 01208013
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CONNECTION

Function	Output circuit	
	A	B
1	Green	Green
1		White
2		Black
2	Yellow	Yellow
+ E Volt	Red	Red
0 Volt	Blue	Blue
0	Brown	Brown
0		Violet
Case	Shield	Shield

OUTPUT CIRCUIT



OUTPUT SIGNALS

