

MED, ENC Technical Specifications

ENC	
Nominal Voltage (Vdc)	12 or 24
Operational Current (A)	(see performance graph)
Operational Torque (Nm)	(see performance graph)
Speed range (rpm)	0-70
Speed Control	Internal 40 A, H-Bridge 3V or 5V PWM Signal
Stall Current (A)	35 A at 12 Vdc
Stall Torque (Nm)	40
Transmission ratio	65:1
Frame Size:	
	Height, mm (in) 111.6 (4.39)
	Length, mm (in) 187.6 (7.39)
	Width, mm (in) 87.4 (3.44, no shaft)
	Weight, kg (lb) 1.1-1.4 (2.4-3.0)
Gear Wheel Material	Acetal (Delrin)
IP Rating	IP68
Communication	SPI and PWM signal, Serial Communication Interface (SSI)
Digital I/O	Yes
Outputs	Quadrature ChA. and ChB. signals, 256 Pulses per channel per revolution. Home Output signal 1 pulse per revolution
Transmission Rate	max. 4ms
ü Digital Serial Bit Position Output	3.3 Vdc or 5.0 Vdc
ü Analog Signal Voltage Output	0 – 3.3 Vdc or 0 – 5.0 Vdc
ü Home Position Output	3.3 Vdc or 5.0 Vdc
ü 2-Channel Incremental Encoding Output	3.3 Vdc or 5.0 Vdc
LIN	No
Diagnostic	(customizable)
Protections	Reverse Polarity, Over-temperature
Encoder Type	2 Absolute encoder (10 bit), 1 Incremental encoder
Resolution (degree)	0.35
Output Type	Analog Output, PWM signal, SPI
Multiple Motor Synchronization	No
Mounting Holes BHC (A, see drawing):	
	48.26mm (1.900")
	64.00mm (2.520")
Mounting Bolt Hole Threads (B, see drawing):	
	M6 x 1 - 6H
	¼ - 20 UNC – 2B
Mounting Holes Offset (C, see drawing):	
	0° Offset
	13.5° Offset (Available with 48.26mm BHC only)
Shaft Types (D, see drawing):	
	M8 DIN tapered spline
	Cross pin
	Ø11mm shaft, full round profile
	Ø11mm shaft with D profile
	Ø12mm shaft, full round profile
	Ø12mm shaft with keyway and retaining ring groove