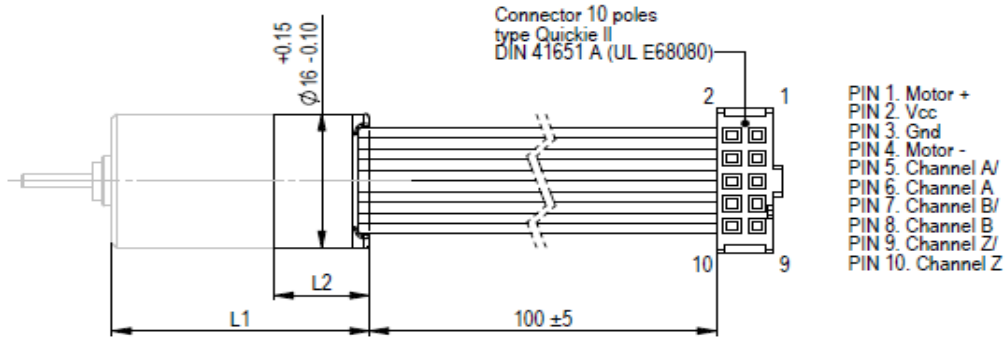


M Sense B

Magnetic Encoder with RS422 Line Driver



Dimensions in mm

Characteristics @ 22°C & 5000 rpm

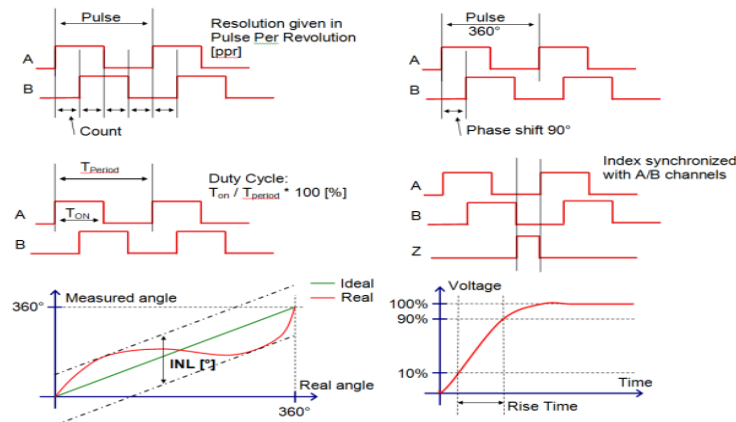
1	Number of Lines Available		1024, 512, 256, 128..1	LPR
2	Supply Voltage		4.5 / 5.5	Volt
3	Supply Current	Typical / Max	16/23	mA
4	Rise/Fall time (CL=50pF)	Max	60	ns
5	Output Frequency		0.5	MHz
6	Electrical Phase Shift		90 ± 45 up to 256 ppr    90 ± 75 for 512 & 1024 ppr	degree
7	Duty Cycle		50 ± 15 up to 256 ppr    50 ± 25 for 512 & 1024 ppr	%
8	INL (Integral Non Linearity)	Max	1.5	degree
9	Maximum Speed @ 1024ppr	Max	30,000	rpm
10	Line Driver Parameters		4mA / 10MHz (default configuration)	
11	Cable Type		AWG28 Ribbon cable pitch 1.27mm	
12	Operating Temperature Range	Min / Max	-40 to +100	°C
13	Weight		Varies by motor size. Contact us.	g (oz)

Available on motor types	16S78	16N48	16N98	17N78	22S48	22N48	22N98
L1 Length with motor - mm (in)	27.1 (1.07)	27.1 (1.07)	36.4(1.43)	34.4 (1.35)	36.6 (1.44)	46.4 (1.83)	46.4 (1.83)
L2 Length of encoder - mm (in)	10 (0.39)	10 (0.39)	10 (0.40)	10 (0.40)	9.45 (0.38)	13.1 (0.52)	13.1 (0.52)

Available on motor types	30GT	P110	23GST	25GST	35NT	35GLT
L1 Length with motor - mm (in)	**	32.4 (1.28)	**	**	**	**
L2 Length of encoder - mm (in)	**	13.6 (0.54)	**	**	**	**

Available on motor types	16ECP36	16ECP52	22DCP
L1 Length with motor - mm (in)	**	**	**
L2 Length of encoder - mm (in)	**	**	**

\*\* Available on request



Encoder performance option available on request (contact us):

Optional Line driver type: 4mA-10MHz (default) / 50mA-10MHz / 50mA-300kHz / 20mA-3MHz. 4mA-10MHz is recommended for use as single ended outputs. Other options are dedicated for use of differential outputs.

Other parameters can be customized: Index synchronization mode, minimal edge distance, direction of rotation, low current mode and other.