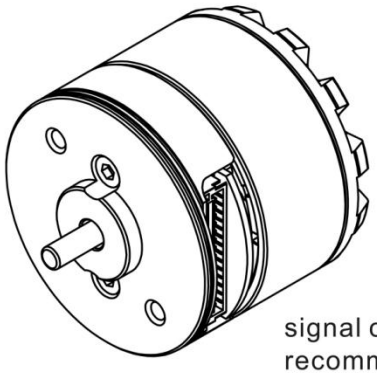
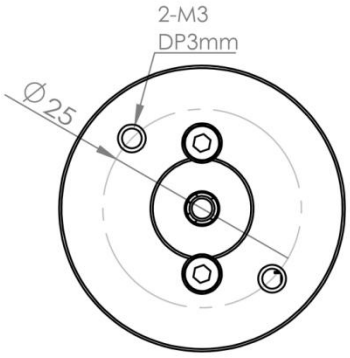
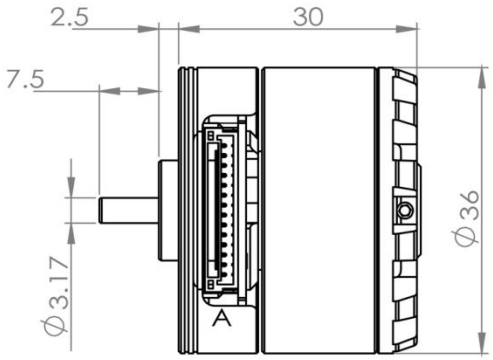
MX2810KV150HA







signal connector : GH1.25-F-14P
recommended signal cable :
GH14P-M-28AWG-15CM



General Characteristics:

Motor Configuration

Mechanical structure		outrunner	Ingress protection		IP 44
Number of pole pairs		7	Speed constant	KV	150
Number of phases		3	Torque constant	mN/A	52
Winding connection		star	Single phase resist.	Ohm	2
Total weight		gram 90	DQ inductance	uH	400
Rotor inertia		$uNm*s^2$ 1.6	Friction	uN*m*s	0.5

Thermal Data

Thermal resistance housing-ambient	5.4K/W
Thermal resistance winding-housing	7.9K/W
Ambient temperature	-40~100 °C
Max. winding temperature	120 °C

Sensoric

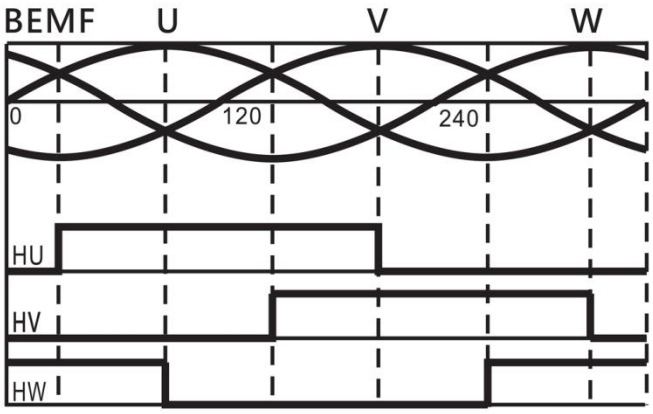
Sensor type	bipolar self-locking hall
Number of halls	3
Supply voltage	5V
Electrical angle	120 degrees

Nominal & Stall

Nominal voltage	V	12	24
No load speed	rpm	1800	3600
Noload current	mA	110	120
Nominal speed	rpm	1150	2400
Nominal torque	mNm	47	77
Nominal current	A	0.9	1.4
Max. power	W	6	22
Max. efficiency		63%	70%
Stall torque	mNm	120	180
Stall current	A	2.2	3.5

Hall sequence regards to back EMF

Tested in CCW direction



Pull-up resistance	yes

ATTENTION: Stall operation is not recommended. Please do necessary protection to avoid irreparable damage.