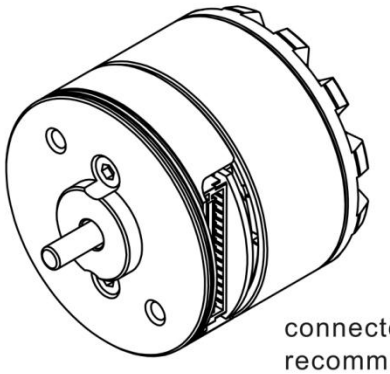
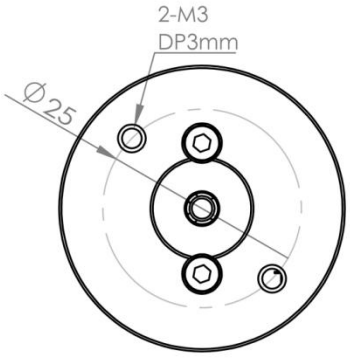
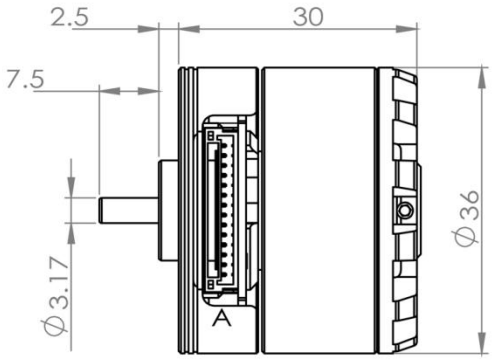
MX2810KV200HA







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	200
Number of phases		3	Torque constant	mN/A	48
Winding connection		star	Single phase resist.	Ohm	1.3
Total weight	gram	90	DQ inductance	uH	260
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

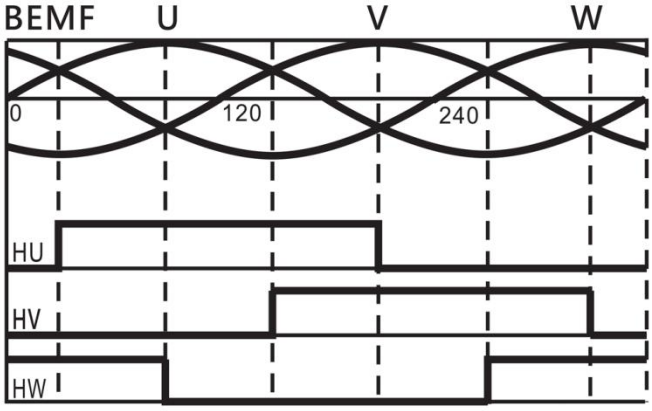
Sensor type	bipolar self-locking hall
Number of halls	3
Supply voltage	5V
Electrical angle	120 degrees

Nominal & Stall

Nominal voltage	V	12	24
No load speed	rpm	2400	4800
Noload current	mA	150	180
Nominal speed	rpm	1800	3400
Nominal torque	mNm	47	92
Nominal current	A	1	1.9
Max. power	W	12	38
Max. efficiency		83%	86%
Stall torque	mNm	160	230
Stall current	A	3.5	5.5

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.