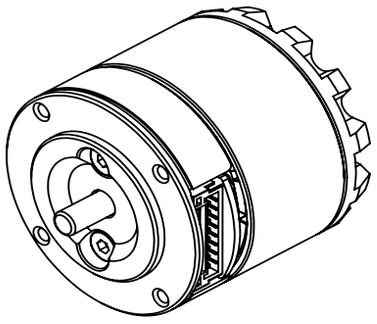
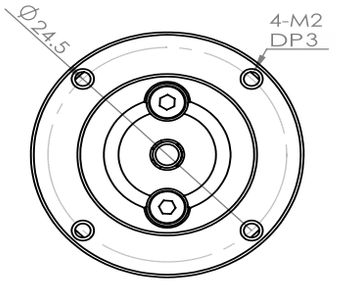
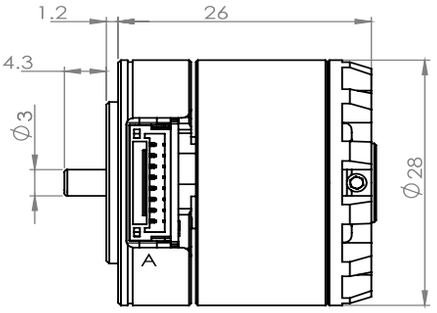
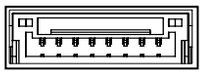
MX2210KV360HA









Unit:mm

Connector:	GH1.25-F-8P
Cable：	GH8P-M-28AWG-15cm

Pin definition(left to right):

1.HW 2.HV 3.HU 4.GND 5.VCC 6.W 7.V 8.U

General Characteristics :

Motor Configuration

	Unit	
Mechanical structure		outrunner
Number of pole pairs		7
Number of phases		3
Winding connection		star
Total weight	g	52
Rotor inertia	$uNm*s^2$	0.75

	Unit	
Ingress protection		IP 54
Speed constant	KV	360
Torque constant	mNm/A	23
Single phase resistance	mOhm	750
DQ inductance	uH	100
Friction	uN*m*s	0.5

Thermal Data

Thermal resistance houing -ambient	6.1K/W
Thermal resistance winding-housing	9.4K/W
Ambient temperature	-40 ºC - 100 ºC
Maximal winding temperature	120 ºC

Sensoric

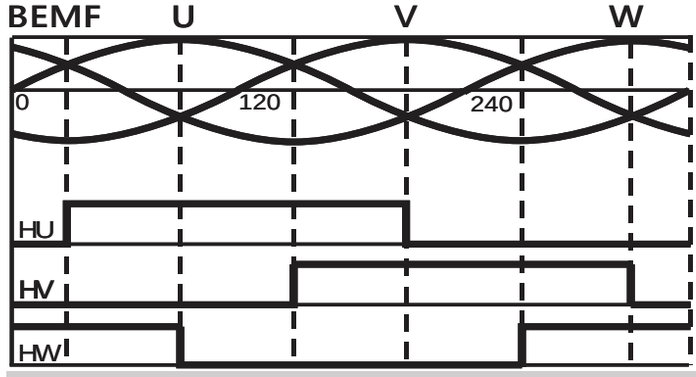
Sensor type	bipolar self-locking hall
Number of halls	3
Supply voltage	5V
Electrical angle	120 degrees

Nominal & Stall

	Unit		
Nominal voltage	V	12	24
No load speed	rpm	4300	8600
No load current	mA	150	260
Nominal speed	rpm	3300	7200
Nominal torque	mNm	33	45
Nominal current	A	1.3	1.7
Maximal power	W	15	45
Maximal efficiency		83%	84%
Stall torque	mNm	105	210
Stall current	A	4.5	8

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.