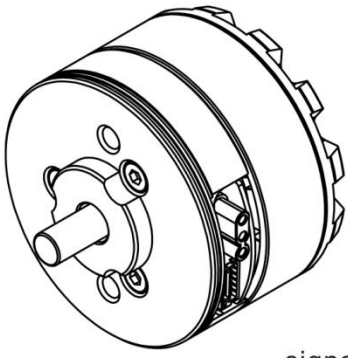
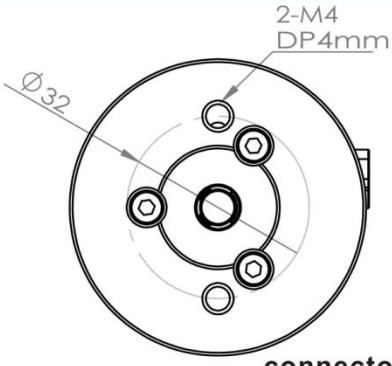
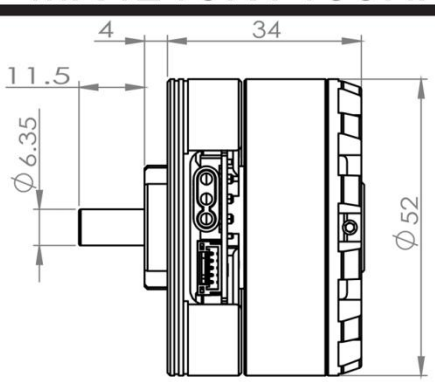
MX4210KV150HA







signal connector : GH1.25-F-5P
recommended signal cable :
GH5P-M-28AWG-15CM

connector:



phase connector : MR30PW-F
recommended power cable :
MR30-M-20AWG-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	65
Winding connection		star	Single phase resist.	mOhm	410
Total weight	gram	220	DQ inductance	uH	200
Rotor inertia	$uNm*s^2$	6.5	Friction	uN*m*s	0.5

Thermal Data

Thermal resistance housing-ambient	4.5K/W
Thermal resistance winding-housing	6.8K/W
Ambient temperature	-40~100 °C
Max. winding temperature	120 °C

Sensoric

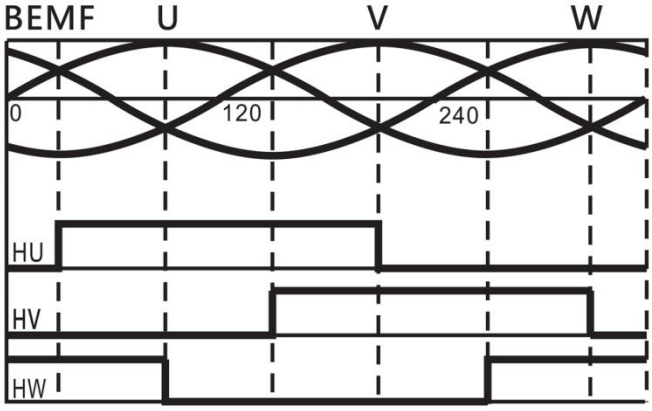
Sensor type	bipolar self-locking hall
Number of halls	3
Supply voltage	5V
Electrical angle	120 degrees

Nominal & Stall

Nominal voltage	V	24	48
No load speed	rpm	3600	7200
Noload current	mA	225	300
Nominal speed	rpm	2550	3100
Nominal torque	mNm	280	560
Nominal current	A	4.2	8.4
Max. power	W	74	256
Max. efficiency		85%	86%
Stall torque	mNm	670	1300
Stall current	A	11.5	25

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.