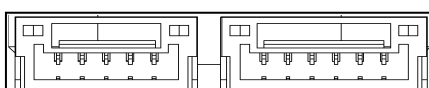


Unit: mm

P1 (5 PIN):

P2(6 PIN):



Pin definition(left to right):

P1: 1.HW 2.HV 3.HU 4.VCC 5.GND **P2:** 1.W 2.W 3.V 4.V 5.U 6.U

Signal Connector (P1):	GH1.25-F-5P
Signal Cable :	GH5P-M-28AWG-15cm
Phase connector (P2):	GH1.25-F-6P
Cable :	GH6P-M-28AWG-15cm

General Characteristics

Basic Dimensions Unit

Diameter	mm	36
Body length	mm	55
Output shaft diameter	mm	8
Output shaft length	mm	21.45

Motor Features Unit

Motor type	BLDC outrunner
Motor model	MX2810KV200HA
Pole pairs	7
Number of phases	3
*For more motor features please refer datasheet "MX2210KV360HA".	

Gearbox Features Unit

Gearbox model		GP36L1A
Gearbox type		Planetary
Gearbox ratio	K	3.7
Gearbox levels		1
Gearbox diameter	mm	36
Gearbox length	mm	25
Gearbox efficiency		90%
Operating torque	kg*cm	10
Braking torque	kg*cm	30

Nominal & Stall Unit

Gearbox ratio	K	3.7	3.7
Nominal voltage	V	12	24
Noload speed	rpm	649	1297
Nominal speed	rpm	486	919
Nominal torque	Nm	0.2	0.3
Nominal current	A	1.1	2.1
Maximal power	W	11	34
Maximal efficiency		75%	77%
Stall torque	Nm	0.6	0.9
Stall current	A	3.5	5.5

* Ratio 26.9 is prototype. Please contact us before ordering.

*Attention: Stall operation is not recommended, please do necessary protection to avoid irreparable damage!

 *In case specific shaft, connector, or any other features need to be customized, please visit www.damoto.tech and contact us.