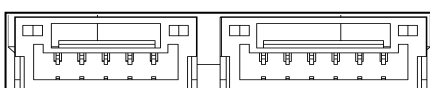


P1 (5 PIN):

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	62.3
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		GP36L2A
Gearbox type		Planetary
Gearbox ratio	K	13.7/19.2/26.9*
Gearbox levels		2
Gearbox diameter	mm	36
Gearbox length	mm	32.3
Gearbox efficiency		80%
Operating torque	kg*cm	20
Braking torque	kg*cm	60

Nominal & Stall	Unit						
Gearbox ratio	K	14	19.2	26.9	13.7	19.2	26.9
Nominal voltage	V	12	12	12	24	24	24
Noload speed	rpm	175	125	89	350	250	178
Nominal speed	rpm	131	94	67	248	177	126
Nominal torque	Nm	0.6	0.9	1.3	1.3	1.8	2.5
Nominal current	A	1.1	1.1	1.1	2.1	2.1	2.1
Maximal power	W	11	11	11	34	34	34
Maximal efficiency		66%	66%	66%	69%	69%	69%
Stall torque	Nm	2.2	3.1	4.3	3.2	4.4	6.2
Stall current	A	3.5	3.5	3.5	5.5	5.5	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.