

P1 (5 PIN):

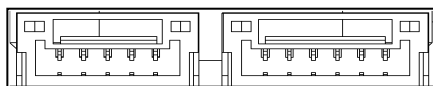
P2(6 PIN):

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



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

General Characteristics :

Basic Dimensions	Unit	
Diameter	mm	36
Body length	mm	68.5
Output shaft diameter	mm	8
Output shaft length	mm	21.45

Gearbox Features	Unit	
Gearbox model		GP36L3A
Gearbox type		Planetary
Gearbox ratio	K	50.9/71.2
Gearbox levels		3
Gearbox diameter	mm	36
Gearbox length	mm	38.5
Gearbox efficiency		73%
Operating torque	kg*cm	50
Braking torque	kg*cm	150

Motor Features	Unit	
Motor type		BLDC outrunner
Motor model		MX2810KV250HA
Pole pairs		7
Number of phases		3
*For more motor features please refer datasheet "MX2810KV200HA".		

Nominal & Stall	Unit		
Gearbox ratio	K	50.9	71.2
Nominal voltage	V	24	24
Noload speed	rpm	118	84
Nominal speed	rpm	98	70
Nominal torque	Nm	2.3	3.2
Nominal current	A	1.7	1.7
Nominal power	W	41	41
Maximal efficiency		63%	60%
Stall torque*	Nm	14.3	19.9
Stall current*	A	10	10

*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.