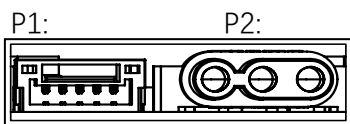


Signal connector: GH1.25-F-5P
Signal cable : GH5P-M-28AWG-15cm
Phase connector : MR30PW-F
Phase cable: MR30-M-18AWG-15cm



Pin definition(left to right):

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

Unit : mm

General Characteristics

Basic Dimensions Unit

Diameter	mm	56/62
Body length	mm	95.9
Output shaft diam.	mm	12
Output shaft length	mm	28

Motor Features Unit

Motor type	BLDC outrunner
Motor model	MX5310KV100HA
Pole pairs	7
Number of phases	3

*For more motor features please refer datasheet "MX5310KV100HA".

Gearbox Features Unit

Gearbox model		GP56L3A
Gearbox type		Planetary
Gearbox ratio	K	46.7/69
Gearbox levels		3
Gearbox diameter	mm	56
Gearbox length	mm	59.9
Gearbox efficiency		80-90%
Operating torque	kg*cm	400
Brakeing torque	kg*cm	1200

Nominal & Stall Unit

Gearbox ratio	K	46.7	69
Nominal voltage	V	24	24
Noload speed	rpm	49	33
Nominal speed	rpm	37	25
Nominal torque	Nm	18.9	27.9
Nominal current	A	5.3	5.3
Maximal power	W	90	90
Maximal efficiency		73%	73%
Stall torque	Nm	70	104
Stall current	A	16	16

*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.