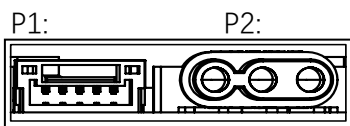


Signal connector: GH1.25-F-5P
Signal cable : GH5P-M-28AWG-15cm
Phase connector : MR30PW-F
Phase cable: MR30-M-18AWG-15cm



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	82
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	GP56L2A	
Gearbox type	Planetary	
Gearbox ratio	K	13/19.2
Gearbox levels	2	
Gearbox diameter	mm	56
Gearbox length	mm	46
Gearbox efficiency	80%	
Operating torque	kg*cm	200
Brakeing torque	kg*cm	600

Nominal & Stall Unit

Gearbox ratio	K	13	19.2
Nominal voltage	V	24	24
Noload speed	rpm	176	119
Nominal speed	rpm	132	89
Nominal torque	Nm	5.3	7.8
Nominal current	A	5.3	5.3
Maximal power	W	90	90
Maximal efficiency		73%	73%
Stall torque*	Nm	20	29
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.