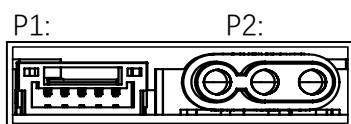


Signal connector: GH1.25-F-5P
Signal cable : GH5P-M-28AWG-15cm
Phase connector : MR30PW-F
Phase cable: MR30-M-20AWG-15cm



Unit : mm

Pin definition(left to right):

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

General Characteristics :

Basic Dimensions Unit

Diameter	mm	52
Body length	mm	81.1
Output shaft diam.	mm	12
Output shaft length	mm	25

Motor Features Unit

Motor type	BLDC outrunner		
Motor model	MX4210KV150HA		
Pole pairs	7		
Number of phases	3		

*For more motor features please refer datasheet "MX4210KV150HA".

Gearbox Features Unit

Gearbox model	GP52L2A	
Gearbox type	Planetary	
Gearbox ratio	K	13.7/19.2
Gearbox levels	2	
Gearbox diameter	mm	52
Gearbox length	mm	38.9
Gearbox efficiency	90%	
Operating torque	kg*cm	80
Brakeing torque	kg*cm	240

Nominal & Stall Unit

Gearbox ratio	K	13.7	19.2	13.7	19.2
Nominal voltage	V	24	24	48	48
Noload speed	rpm	263	188	526	375
Nominal speed	rpm	186	133	423	302
Nominal torque	Nm	3.8	5.4	5.5	7.7
Nominal current	A	4.6	4.6	6.5	6.5
Maximal power	W	81	81	270	270
Maximal efficiency		77%	77%	77%	77%
Stall torque	Nm	9.2	12.9	17.8	25.0
Stall current	A	11.5	11.5	25	25

*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.