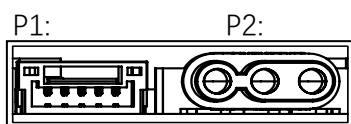


Signal connector: GH1.25-F-5P
 Signal cable : GH5P-M-28AWG-15cm
 Phase connector : MR30PW-F
 Phase cable: MR30-M-20AWG-15cm



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	92.7
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	50.9/71.2
Gearbox levels	3	
Gearbox diameter	mm	52
Gearbox length	mm	50.5
Gearbox efficiency	90%	
Operating torque	kg*cm	80
Brakeing torque	kg*cm	240

Nominal & Stall Unit

Gearbox ratio	K	50.9	71.2
Nominal voltage	V	24	24
Noload speed	rpm	71	51
Nominal speed	rpm	50	36
Nominal torque	Nm	14.3	19.9
Nominal current	A	4.6	4.6
Maximal power	W	81	81
Maximal efficiency	77%		77%
Stall torque*	Nm	34.1	47.7
Stall current*	A	11.5	11.5

*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.