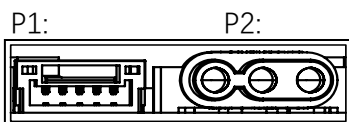


Signal connector: GH1.25-F-5P  
Signal cable : GH5P-M-28AWG-15cm  
Phase connector : MR30PW-F  
Phase cable: MR30-M-18AWG-15cm



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	56/62
Body length	mm	59.9
Output shaft diam.	mm	12
Output shaft length	mm	28

### Motor Features Unit

Motor type	BLDC outrunner
Motor model	MX5310KV200HA
Pole pairs	7
Number of phases	3

\*For more motor features please refer datasheet "MX5310KV200HA".

### 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		70%
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	95	64
Nominal speed	rpm	73	50
Nominal torque	Nm	19	27.9
Nominal current	A	14	14.3
Maximal power	W	250	250
Maximal efficiency		60%	60%
Stall torque*	Nm	84	124
Stall current*	A	45	45

\*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](http://www.damoto.tech) and contact us.