



Connector: GH1.25-F-8P  
Cable : GH8P-M-28AWG-15cm

Pin definition(left to right):  
1.HW 2.HV 3.HU 4.GND 5.VCC 6.W 7.V 8.U

## General Characteristics

Basic Dimensions	Unit	
Diameter	mm	28
Body length	mm	53.7
Output shaft diameter	mm	6
Output shaft length	mm	15.15

Motor Features	Unit	
Motor type		BLDC outrunner
Motor model		MX2210KV360HA
Pole pairs		7
Number of phases		3
*For more motor features please refer datasheet "MX2210KV360HA".		

Gearbox Features	Unit	
Gearbox model		GP28L3A
Gearbox type		Planetary
Gearbox ratio	K	37.7/52.1
Gearbox levels		3
Gearbox diameter	mm	28
Gearbox length	mm	27.7
Gearbox efficiency		82%
Operating torque	kg*cm	25
Brakeing torque	kg*cm	75

Nominal & Stall	Unit				
Gearbox ratio	K	37.7	52.1	37.7	52.1
Nominal voltage	V	12	12	24	24
Noload speed	rpm	114	83	228	24
Nominal speed	rpm	95	69	191	138
Nominal torque	Nm	0.8	1.1	1.7	2.3
Nominal current	A	1.0	1.0	1.9	1.9
Maximal power	W	13.5	13.5	49.5	49.5
Maximal efficiency		68%	68%	69%	69%
Stall torque*	Nm	4.0	5.5	7.9	10.9
Stall current*	A	1.5	1.5	3	3

\*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.