

P1 (5 PIN):

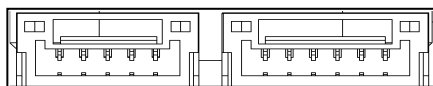
P2(6 PIN):

Signal Connector (P1): GH1.25-F-5P

Signal Cable : GH5P-M-28AWG-15cm

Phase connector (P2): GH1.25-F-6P

Cable : GH6P-M-28AWG-15cm



Pin definition(left to right):

P1: 1.HW 2.HV 3.HU 4.VCC 5.GND **P2:** 1.W 2.W 3.V 4.V 5.U 6.U

General Characteristics :

| Basic Dimensions | Unit | |
|-----------------------|------|-------|
| Diameter | mm | 36 |
| Body length | mm | 68.5 |
| Output shaft diameter | mm | 8 |
| Output shaft length | mm | 21.45 |

| Motor Features | Unit | |
|--|------|----------------|
| Motor type | | BLDC outrunner |
| Motor model | | MX2810KV200HA |
| Pole pairs | | 7 |
| Number of phases | | 3 |
| *For more motor features please refer datasheet "MX2810KV200HA". | | |

| Gearbox Features | Unit | |
|--------------------|-------|-----------|
| Gearbox model | | GP36L3A |
| Gearbox type | | Planetary |
| Gearbox ratio | K | 50.9/71.2 |
| Gearbox levels | | 3 |
| Gearbox diameter | mm | 36 |
| Gearbox length | mm | 38.5 |
| Gearbox efficiency | | 70% |
| Operating torque | kg*cm | 50 |
| Braking torque | kg*cm | 150 |

| Nominal & Stall | Unit | | | | |
|--------------------|------|------|------|------|------|
| Gearbox ratio | K | 50.9 | 71.2 | 50.9 | 71.2 |
| Nominal voltage | V | 12 | 12 | 24 | 24 |
| Noload speed | rpm | 47.2 | 33.7 | 94.3 | 67.4 |
| Nominal speed | rpm | 35 | 25 | 67 | 48 |
| Nominal torque | Nm | 2.4 | 3.3 | 4.7 | 6.6 |
| Nominal current | A | 1.1 | 1.1 | 2.1 | 2.1 |
| Maximal power | W | 11 | 11 | 34 | 34 |
| Maximal efficiency | | 58% | 58% | 60% | 60% |
| Stall torque* | Nm | 8.1 | 11.4 | 11.7 | 16.4 |
| Stall current* | A | 3.5 | 3.5 | 5.5 | 5.5 |

*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.