**40 W Gearbox Integrated BLDC Motor**



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| Basic Motor Parameters |
| Rated Power | W | 40 |
| Rated Speed | rpm | 7500 |
| Rated Torque | Nm | 0,05 |
| Rated Current | A | 2 |
| Rated Voltage | V | 24 |
| No-Load Speed | rpm | 9000 |
| Max. Efficiency | % | 90 |
| Electrical Parameters |
| Number of Phases |  | 3 |
| Number of Poles |  | 8 |
| Torque Constant (KT) | Nm/A | 0.024 |
| Back EMF Constant (KE) | Vs/rad | 0.025 |
| Terminal Resistance Phase to Phase (±%10) | mΩ | 1200 |
| Terminal Inductance Phase to Phase (±%30) | mH | 0,26 |
| Thermal Data |
| Ambient Temperature | °C | -40...+85 |
| Max. Winding Temperature | °C | +155 |
| Physical Parameters |
| Outer Diameter | mm | 32 |
| Shaft Diameter | mm | 8 |
| Max. Lenght | mm | 130.2 |
| Weight | gr | ~231 |
| Motor Connection |
| U | RED CABLE |
| V | WHITE CABLE |
| W | BLACK CABLE |
| Sensor Connection |
| BLUE | VDC+ |
| GREEN | GND |
| BROWN | HALL A |
| ORANGE | HALL B |
| YELLOW | HALL C |
| Connector Articles |
| Power | N/A |
| Signal | N/A |