

## PRODUCT PARAMETERS •

### MG5010E-i36

Item Name	
Rated Voltage (V)	24
Max Speed (rpm)	74
Rated Torque (N.m)	13
Rated Speed (rpm)	54
Rated Current (A)	4.4
Max Power (W)	160
Max Torque (N.m)	25
Speed Constant (rpm/V)	22.5
Torque Constant (N.m/A)	0.3
Turns	13
Winding Type	Y
Line Resistance ( $\Omega$ )	0.466
Phase Inductance (mH)	0.26
Motor Poles	28
Rotor Inertia (gcm <sup>2</sup> )	850
Motor Temperature	YES

### Reducer Type

**PG5110**

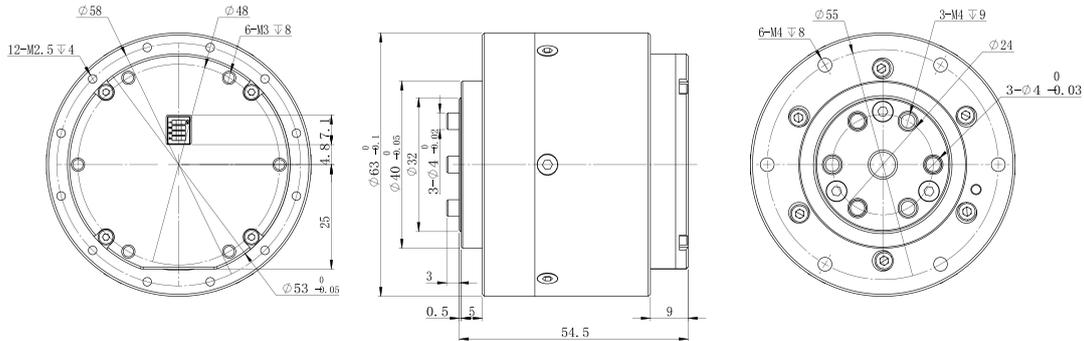
Gear Ratio	1:36
Backlash (arcmin)	$\leq 12$
Bearing Rated Load (N)	1050
Motor Weight (g)	460

### Recommand Drive

**DG50v1**

Drive Input Voltage (V)	7.4~32
Communication	RS485 Or CAN
Communication Frequency (Hz)	RS485: 500Hz (115200bps) /CAN:2KHz(1Mbps)
Encoder	18bit Magnetic Encoder
Baudrate (RS485) (bps)	9600、19200、57600、115200、230400、406800、1M、2M
Baudrate (CAN) (bps)	100K、125K、250K、500K、1M
Control Mode	Torque Loop(32KHz) /Speed Loop(8KHz) /Position Loop(4KHz)
Acceleration Curve	Trapeziod acceleration

## INSTALLATION DRAWING •



## MOTOR CHARACTERISTIC CURVE •

— Inputdc Current      — Efficiency      — Output Power      — Output Torque

