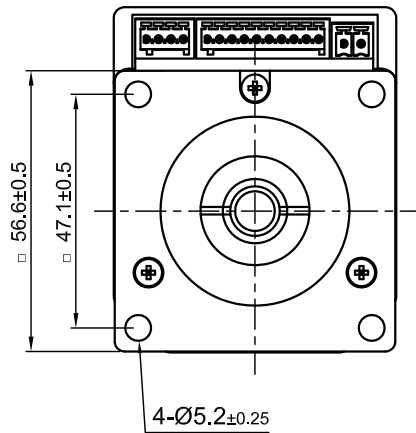
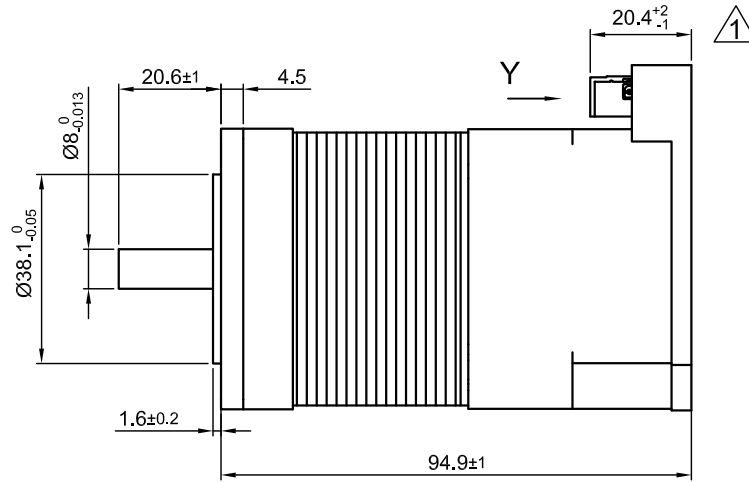


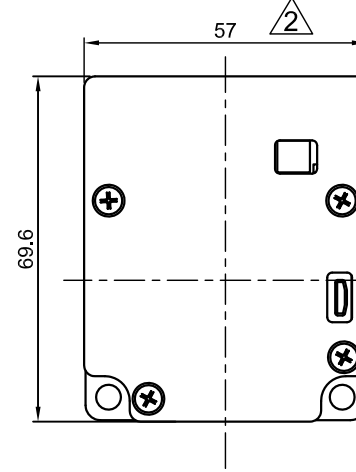
Front view and mounting



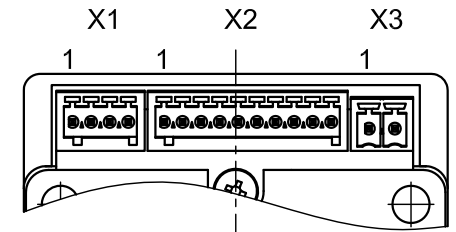
Side view



Rear view

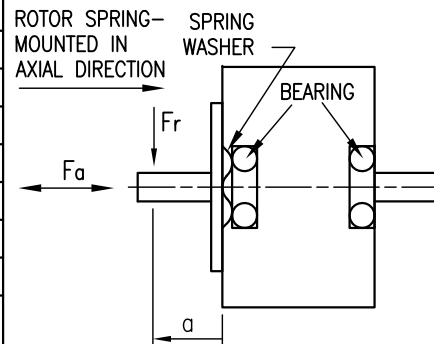


Y view



| SPECIFICATION | CONNECTION | STAR |
|---------------------------|------------|-------------------|
| NO. OF POL./PHASE | | 6/3 |
| VOLTAGE RATED (VDC) | | 24 |
| CURRENT RATED/PEAK (A) | | 8/20 |
| TORQUE RATED/PEAK (Nm) | | 0.37/0.92 |
| TORQUE CONSTANT (Nm/A) | | 0.046 |
| BACK EMF(Vrms/Krpm) | | 3.8 |
| POWER RATED (W) | | 135 |
| SPEED RATED/NO LOAD (RPM) | | 3500±10%/5000±10% |
| WEIGHT (Kg) | | 0.87 |

PERMISSIBLE RADIAL+AXIAL FORCE



| | | |
|---|--|--|
| OVERTEMPERATURE PROTECTION (ELECTRONICS): 75°C | | |
| AMBIENT TEMPERATURE -10°~ 50°C [14°F ~ 122°F] (HIGHER TEMPERATURE REDUCES DUTY CYCLE) | | |
| INSULATION RESISTANCE 100 MΩ (UNDER NORMAL TEMPERATURE AND HUMIDITY) | | |
| INSULATION CLASS B 130° [266°F] | | |
| DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE) | | |
| AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION) | | |

| | | |
|---------------------|---------|--------|
| AXIAL-FORCE Fa (N) | 15 | |
| DISTANCE a (mm) | 20 | |
| RADIAL-FORCE Fr (N) | 75 | |
| | AXIAL | RADIAL |
| SHAFT PLAY (mm) | -0.1Max | 0.025 |
| AT LOAD MAX: (N) | 40 | 4.6 |

X1, Phoenix MCV-04

| PIN No. | Function |
|---------|----------------------------------|
| 1 | GND |
| 2 | Analog Input(0-10V) |
| 3 | Output (open drain) |
| 4 | +12V (Voltage Output, max.100mA) |

X2, Phoenix MCV-10

| PIN No. | Function |
|---------|--------------------|
| 1 | Input1 (+24V) |
| 2 | Input2 (+24V) |
| 3 | Input3 (+24V) |
| 4 | -Enable +5/+24V |
| 5 | Enable +5/+24V |
| 6 | -Direction +5/+24V |
| 7 | Direction +5/+24V |
| 8 | -Clock +5/+24V |
| 9 | Clock +5/+24V |
| 10 | GND |

X3, Phoenix FMC-02

| PIN No. | Function |
|---------|--------------|
| 1 | +VCC(12-24V) |
| 2 | GND |

| | | | | | | | | | | | |
|-----|-------------------------------|----------|-----|---------------------------------------|---------------------------------------|----------------------------------|-----------|-----------------------------|----------|--------|----------------------|
| 02 | REWORK DRAW/UPDATE DATA | 19.07.16 | GYQ | Nanotec PLUG & DRIVE | APVD | G.M. | 05.08.13 | PLUG&DRIVE MOTOR | | | |
| 01 | TOLERANCE OF CONNECTOR LENGTH | 28.01.14 | GYQ | | CHKD | | | | | | |
| REV | DESCRIPTION | DATE | DRN | Surface specification DIN ISO 1302 | General tolerances DIN ISO 2768-cH | Work piece edge DIN ISO 13715 | DRN | GYQ | 05.08.13 | DWG.NO | PD4-CB59M024035-E-01 |
| | | | | | | | SIGNATURE | | DATE | | |