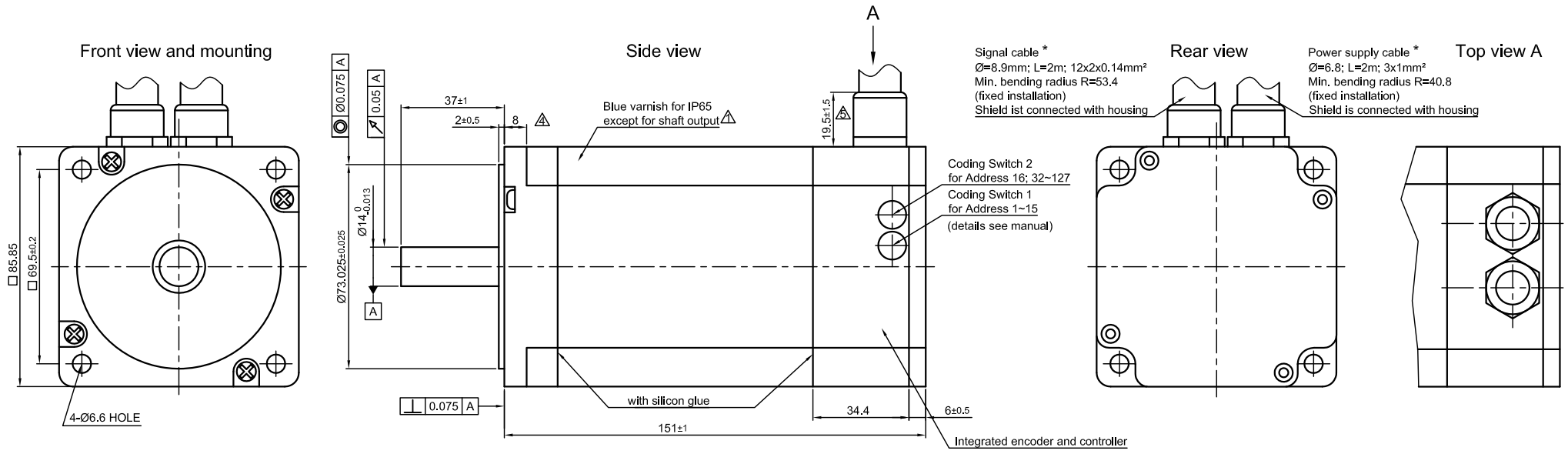
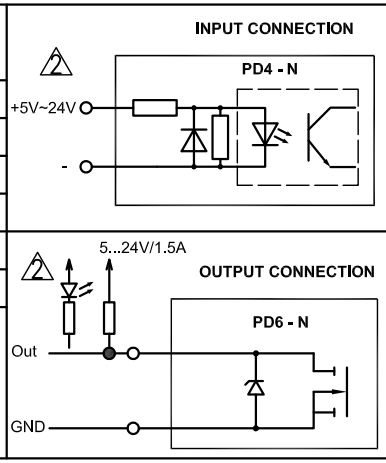
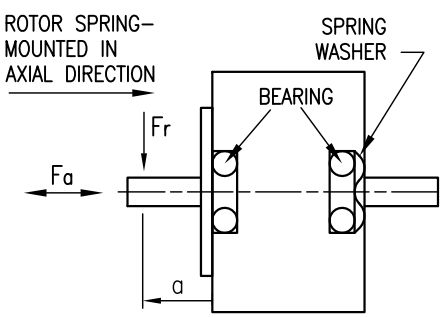



| SPECIFICATION \ CONNECTION | BIPOLAR PARALLEL |
|---|---|
| SUPPLY VOLTAGE (VDC) | 24 to 48 |
| AMPS/PHASE | * adj. to 11A (rated 7A) |
| HOLDING TORQUE (Nm) [lb-in] | 9.33 [82.57] |
| DETENT TORQUE (Nm) [lb-in] | 0.2 [1.7] |
| STEP ANGLE (°) ± ACCURACY | * 1.8 to Microstep |
| WEIGHT (Kg) [lb] | 3.95 [8.71] |

* adjustable with Nanopro.




| SIGNAL CABLE | |
|---|---|
| FUNKTION | COLOUR |
| INPUT 1 | BK |
| INPUT 2 | VI |
| INPUT 3 | GY/PK |
| INPUT 4 | RD/BU |
| INPUT 5 | WH/GN |
| INPUT 6 | BN/GN |
| INPUT ANALOG | WH/BU |
| OUTPUT 1 | WH/YE |
| OUTPUT 2 | YE/BN |
| OUTPUT 3 | WH/GY |

| SIGNAL CABLE | |
|---|---|
| FUNCTION | COLOUR |
| RS485 Tx+ | GY |
| RS485 Tx- | PK |
| RS485 Rx- | YE |
| RS485 Rx+ | GN |
| CAN + | BN |
| CAN - | WH |
| SIGNAL GND (COM) | GY/BN |
| GND 3 | BN/PK + BU |
| GND LOGIC | RD |
| + UB LOGIC | WH/PK (20~48V) |

| POWER SUPPLY CABLE | |
|---|---|
| FUNKTION | WIRE NO./COLOUR |
| +UB | 1 |
| GND | 2 |
| PROTECTIVE WIRE | GN/YE |

☞ ALL GND AND COM SHOULD BE CONNECTED

* OPTIONALLY WITH POWER CHAIN CABLE/UL LICENSED. FOR SIGNAL CABLES ARE NOT ALL I/O'S AVAILABLE.

| | | | |
|---|---|---|---|
| OVERTEMPERATURE PROTECTION (ELECTRONICS): 80°C | AXIAL-FORCE Fa (N) | Fa=65 | |
| AMBIENT TEMPERATURE -10°~ 50°C [14°F ~ 122°F] | DISTANCE a (mm) | 5 | 10 | 15 | 20 |
| INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY) | RADIAL-FORCE Fr (N) | 535 | 355 | 256 | 200 |
| INSULATION (MOTOR) CLASS B 130° [266°F] | | AXIAL | | RADIAL | |
| DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE) | SHAFT PLAY (mm) | 0.075 | | 0.025 | |
| AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION) | AT LOAD MAX: (N) | 10 | | 5 | |

| REV | DESCRIPTION | DATE | DRN |
|---|---|---|---|
| 5 | change dimension | 13.12.16 | A.S. |
| 4 | change dimension/ rework draw | 01.03.16 | A.S. |
| 3 | PIN COLOR | 09.02.12 | J.W. |

Nanotec® PLUG & DRIVE

| Surface specification DIN ISO 1302 | General tolerances DIN ISO 2768- cH | Work piece edge DIN ISO 13715 |
|---|---|---|

| | | |
|---|---|---|
| APVD | S.Ha. | 13.07.09 |
| CHKD | | |
| DRN | J.W. | 13.07.09 |
| SIGNATURE | | DATE |

STEPPING MOTOR

DWG.NO

PD6-N8918L9504