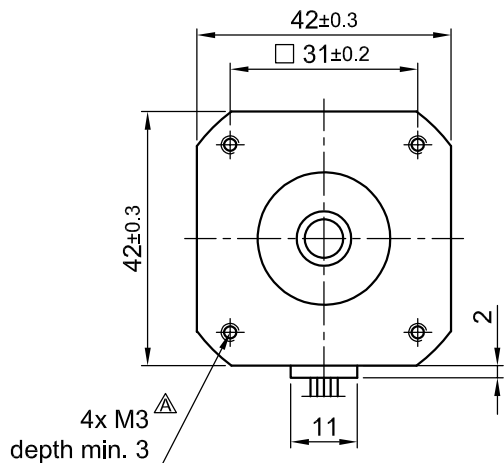
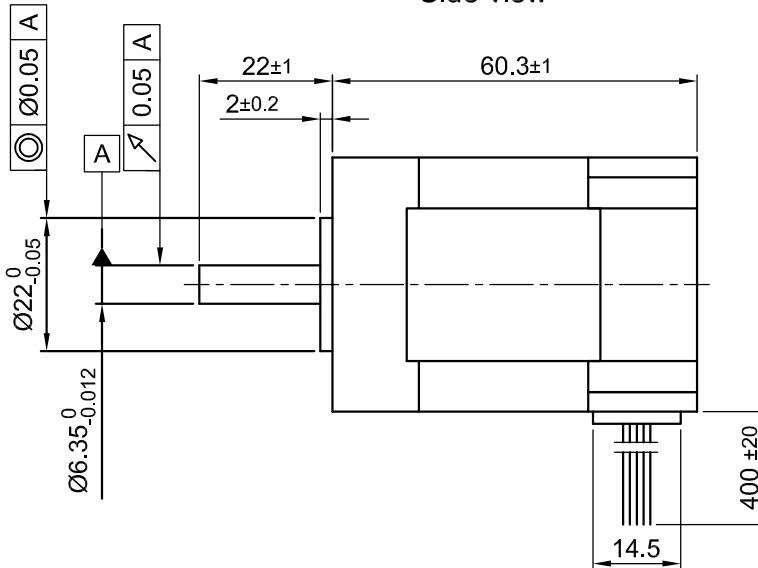


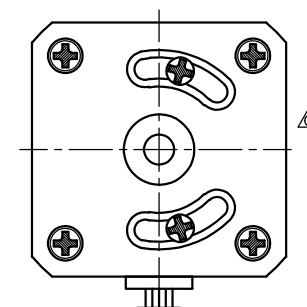
Front view and mounting



Side view

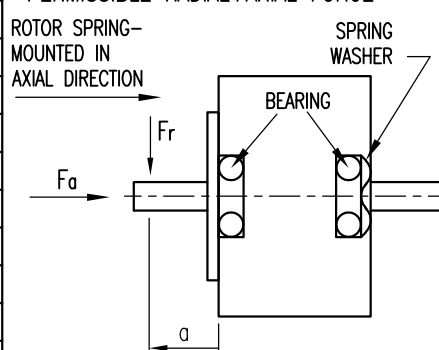


Rear view



| SPECIFICATION                        | CONNECTION | STAR                             |
|--------------------------------------|------------|----------------------------------|
| NO. OF POL./PHASE                    |            | 6/3                              |
| VOLTAGE RATED (VDC)                  |            | 48                               |
| CURRENT RATED/PEAK (AMP)             |            | 1.5/ 4.6                         |
| RESISTANCE/LINE TO LINE (Ohms) @20°C |            | 4.3 ±10% $\triangle B \triangle$ |
| INDUCTANCE/LINE TO LINE (mH) @1KHz   |            | 2.65 ±20% $\triangle B$          |
| TORQUE RATED/PEAK (Nm)               |            | 0.17/ 0.51                       |
| TORQUE CONSTANT (Nm/A)               |            | 0.11                             |
| POWER RATED (W)                      |            | 53                               |
| SPEED RATED/NO LOAD (RPM)            |            | 3000/3900                        |
| ROTOR INERTIA (Kg-m <sup>2</sup> )   |            | 6x10 <sup>-6</sup>               |
| WEIGHT (Kg)                          |            | 0.6                              |

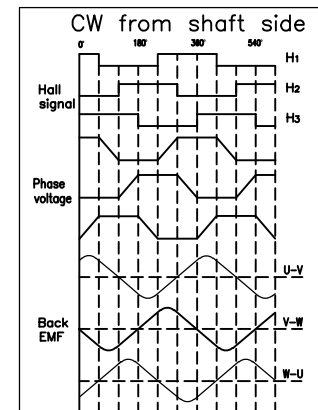
PERMISSIBLE RADIAL+AXIAL FORCE



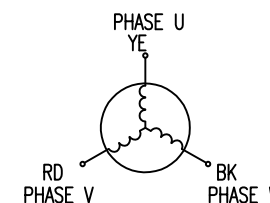
|                     |       |        |
|---------------------|-------|--------|
| AXIAL-FORCE Fa (N)  | Fr=10 |        |
| DISTANCE a (mm)     | 20    |        |
| RADIAL-FORCE Fr (N) | 28    |        |
|                     | AXIAL | RADIAL |
| SHAFT PLAY (mm)     | 0.08  | 0.02   |
| AT LOAD MAX: (N)    | 4.5   | 4.5    |

WIRING DIAGRAM

|                          | COLOR | FUNCTION | LEAD GAUGE   |
|--------------------------|-------|----------|--------------|
| MOTOR<br>6 POL.          | YE    | U        | UL1430 AWG20 |
|                          | RD    | V        |              |
|                          | BK    | W        |              |
| HALL<br>18 IMPL.<br>REV. | RD    | +5V      | UL1430 AWG26 |
|                          | BU    | H1       |              |
|                          | GN    | H2       |              |
|                          | WH    | H3       |              |
|                          | BK    | GND      |              |



STAR CONNECTION



|     |                  |          |      |                                       |  |                                  |           |                           |          |               |
|-----|------------------|----------|------|---------------------------------------|--|----------------------------------|-----------|---------------------------|----------|---------------|
| 1   | Updt. Resistance | 10.11.17 | G.S. |                                       | APVD                                   | G.S.                             | 15.09.15  | <b>BRUSHLESS DC MOTOR</b> |          |               |
| C   | -                | 31.05.16 | A.S. |                                       | CHKD                                   |                                  |           |                           |          |               |
| B   | -                | 02.12.15 | A.S. | Surface specification<br>DIN ISO 1302 | General tolerances<br>DIN ISO 2768- cH | Work piece edge<br>DIN ISO 13715 | DRN       | A.S.                      | 15.09.15 | DWG.NO        |
| REV | DESCRIPTION      | DATE     | DRN  |                                       |  |                                  | SIGNATURE | DATE                      |          | DB43M048030-A |