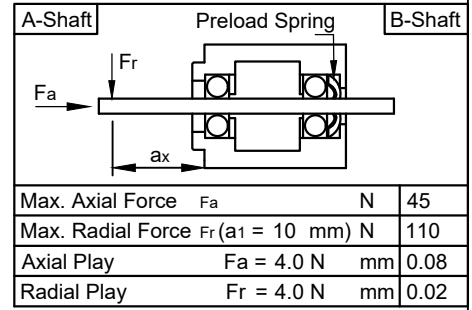


Connector: MOLEX 39-28-1083



| MOTOR SPECIFICATION              |                   |                       |
|----------------------------------|-------------------|-----------------------|
| No. of Poles                     |                   | 22                    |
| Rated Voltage                    | V DC              | 24                    |
| Current - No Load / Rated / Peak | A                 | 0.9 / 7.4 / 23        |
| Resistance Line to Line          | ±10% Ω            | 0.21                  |
| Inductance Line to Line (1kHz)   | ±20% mH           | 0.17                  |
| Torque - Rated / Peak            | Nm                | 0.457 / 1.5           |
| Torque Constant                  | Nm/A              | 0.061                 |
| Rated Power                      | W                 | 130                   |
| Speed - No Load / Rated          | ±10% rpm          | 3400 / 2720           |
| Rotor Inertia                    | kg m <sup>2</sup> | 300 x10 <sup>-6</sup> |

| WIRING DIAGRAM                  |     |          |
|---------------------------------|-----|----------|
|                                 | PIN | Function |
| Motor                           | 7   | U        |
|                                 | 8   | V        |
|                                 | 4   | W        |
| Hall<br>66 Impl.<br>per<br>Rev. | 3   | Vcc      |
|                                 | 1   | H1       |
|                                 | 2   | H2       |
|                                 | 5   | H3       |
|                                 | 6   | GND      |

| GENERAL MOTOR SPECIFICATION                    |      |            |
|------------------------------------------------|------|------------|
| Ambient Temperature                            | °C   | -20 ... 50 |
| Max. Temperature Rise (at standstill)          | °C   | 80         |
| Max. Ambient Humidity (non condensing)         | %    | 85         |
| Insulation Class                               |      | B          |
| Insulation Resistance                          | MΩ   | 100        |
| Dielectric Strength (for 1 min - coil to case) | V AC | 500        |

|     | ISO 8015      | ISO 1302  | ISO 2768 cK | ISO 13715 |                          |
|-----|---------------|-----------|-------------|-----------|--------------------------|
|     |               |           |             | Date      | Name                     |
|     |               |           |             | Drawn     | 21.11.2019<br>Schneid_A  |
|     |               |           |             | Reviewed  | 23.04.2020<br>Hofstet._M |
|     |               |           |             | Released  | 23.04.2020<br>Hofstet._M |
| 02  | change values | Schneid_A | 23.04.2020  |           |                          |
| 01  | change values | Schneid_A | 08.01.2020  |           |                          |
| REV | Rev. Text     | Name      | Date        |           |                          |

Weight: 0.62 kg

**DFA90S024027-A**

**20000048**

State: Released    Rev: 02    CONFIDENTIAL

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