

NME3-UVW-W06-05-C

ENCODER SPECIFICATION

| | | |
|--|-------------|-------|
| Operating Voltage | ±10% V DC | 5 |
| Resolution | cpr | 4096 |
| Resolution (cpr with quadrature) | ppr | 16384 |
| No. of Channels | | 3 |
| Interface | UVW | |
| Signal Type | incremental | |
| Index / Line Driver | yes / yes | |
| see Datasheet Encoder for more Details | | |

MOTOR SPECIFICATION

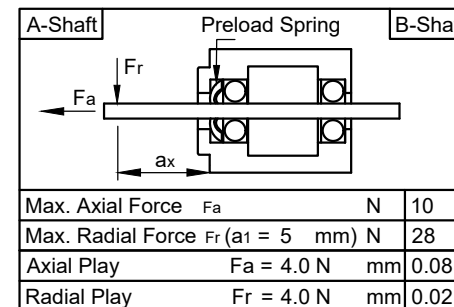
| | | |
|------------------------------|-------------------|------------------------|
| Nominal Operating Voltage | V DC | 48 |
| Max. Operating Voltage | V DC | 60 |
| Current per Winding | A | 9.5 |
| Resistance per Phase (25°C) | ±15% Ω | 0.23 |
| Inductance per Phase (1 kHz) | ±20% mH | 2.3 |
| Holding Torque | Nm | 5.9 |
| Step Angle | ±5% ° | 1.8 |
| Rotor Inertia | kg m ² | 190 x 10 ⁻⁶ |

GENERAL MOTOR SPECIFICATION

| | | |
|--|----|------------|
| Ambient Temperature | °C | -10 ... 50 |
| Max. Ambient Humidity (non condensing) | % | 85 |
| Protection Class (except shaft outlet) | | IP65 |
| Protection Class (shaft outlet) | | IP54 |

| X1 MOTOR | |
|--------------------------------|----------|
| M12 / 4-Pole / L-Coding / male | |
| Pin No. | Function |
| 1 | A\ |
| 2 | A |
| 3 | B |
| 4 | B\ |
| cable shield on housing | |

| X2 ENCODER | |
|--------------------------------|----------|
| M12 / 8-Pole / A-Coding / male | |
| Pin No. | Function |
| 1 | A |
| 2 | A\ |
| 3 | B |
| 4 | B\ |
| 5 | GND |
| 6 | I\ |
| 7 | I |
| 8 | +UB |
| cable shield on housing | |



In addition to this datasheet the documentation of all components mentioned with part number is applicable and has to be considered

| | | | | |
|----------|-----------|-------------|---------------------|--------------------|
| ISO 8015 | ISO 1302 | ISO 2768 cK | ISO 13715 | Weight ±10% 2.8 kg |
| | | | Date | Name |
| | | | Drawn 22.04.2024 | Kolev_I |
| | | | Reviewed 07.05.2024 | Sejdini_B |
| | | | Released 07.05.2024 | Sejdini_B |
| REV | Rev. Text | Name | Date | |

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State: Released

Rev: 00

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