

Servomotor EMMT-AS-100-M-HS-RM

Broj artikla: 5255531

FESTO



Tehnički podaci

| Svojstvo | Vrednost |
|---|--|
| Temperatura okoline | -15 ... 40 °C |
| Note on ambient temperature | up to 80°C with derating -1.5%/°C |
| Max. installation height | 4.000 m |
| Note on max. installation height | As of 1,000 m, only with derating of -1.0% per 100 m |
| Temperatura ležaja | -20 ... 70 °C |
| Relativna vlažnost vazduha | 0 - 90 % |
| Odgovara standardu | IEC 60034 |
| Termalna klasa prema EN 60034-1 | F |
| Max. winding temperature | 155 °C |
| Klasa dimenzionisanja prema EN 60034-1 | S1 |
| Nadzor temperature | Digital motor temperature transmission via EnDat® 2.2 |
| Motor type to EN 60034-7 | IM B5 IM V1 IM V3 |
| Položaj ugradnje | proizvoljno |
| Mehanička zaštita | IP40 |
| Note on degree of protection | IP40 motor shaft without RWDR IP65 motor shaft with RWDR IP67 for motor housing with connection technology |
| Concentricity, coaxiality, axial runout to DIN SPEC 42955 | N |
| Balance quality | G 2,5 |
| Detent torque | <1.0% of peak torque |
| Storage lifetime under nominal conditions | 20.000 h |
| Interface code, motor out | 100A |
| Electrical connection 1, connection type | Hybrid plugs |
| Electrical connection 1, connection technology | M23x1 |
| Electrical connection 1, number of pins/wires | 15 |
| Stepen zagađenja | 2 |
| Materijal - napomena | RoHS komfornost |
| Klasa korozione otpornosti KBK | 0 - No corrosion stress |
| PWIS conformity | VDMA24364 zone III |
| Otpornost na vibracije | Ispitivanje transporta sa stepenom težine 2 prema FN 942017-4 i EN 60068-2-6 |
| Udarna čvrstoća | Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 |
| Dozvola | RCM Mark c UL us - Recognized (OL) |
| CE znak (vidi izjavu o usklađenosti) | prema EU-EMV-smernici prema EU-niski napon-smernica in accordance with EU RoHS directive |
| UKCA marking (see declaration of conformity) | To UK instructions for electrical equipment To UK instructions for EMC To UK RoHS instructions |
| Mesto izdavanja sertifikata | UL E342973 |
| Nazivni pogonski napon DC | 680 V |
| Vrsta spajanja navoja | Zvezda unutrašnja |

| Svojstvo | Vrednost |
|---|----------------------------------|
| Number of pole pairs | 5 |
| Obrtni moment mirovanja | 8,6 Nm |
| Nazivni obrtni moment | 6,3 Nm |
| Vršni obrtni moment | 22,4 Nm |
| Nazivna brzina obrtanja | 2.700 1/min |
| Maks. brzina obrtanja | 4.790 1/min |
| Max. mechanical speed | 13.000 1/min |
| Nazivna snaga motora | 1.770 W |
| Trajna struja mirovanja | 5,9 A |
| Nazivna struja, motor | 4,3 A |
| Vršna struja | 22,1 A |
| Motorska konstanta | 1,46 Nm/A |
| Standstill torque constant | 1,66 Nm/A |
| Naponska konstanta, linijska | 100 mVmin |
| Otpor navoja faza-faza | 1,84 Ohm |
| Induktivnost navoja faza-faza | 20,4 mH |
| Winding longitudinal inductivity Ld (phase) | 10,2 mH |
| Winding cross inductivity Lq (phase) | 15,3 mH |
| Electric time constant | 16,6 ms |
| Thermal time constant | 73 min |
| Thermal resistance | 0,5 K/W |
| Measuring flange | 300 x 300 x 20, steel |
| Sveukupni moment inercije gonjene strane | 4,46 kgcm ² |
| Težina proizvoda | 7.100 g |
| Dozvoljeno aksijalno opterećenje vratila | 200 N |
| Dozvoljeno radijalno opterećenje vratila | 1.110 N |
| Senzor položaja rotora | Apsolutni multi-turn encoder |
| Rotor position sensor, manufacturer designation | EQI 1331 |
| Rotor position sensor, absolute detectable revolutions | 4.096 |
| Interface rotirajućeg enkodera | EnDat 22 |
| Princip određivanja položaja rotirajućim enkoderom | induktivno |
| Rotor position sensor, DC operating voltage | 5 V |
| Rotor position sensor, DC operating voltage range | 3,6 ... 14 V |
| Rotor position sensor, position values per revolution | 524.288 |
| Okidački enkoder rotora | 19 Bit |
| Rotor position sensor, system accuracy of angle measurement | -65 ... 65 arcsec |
| MTTF, subcomponent | 190 years, rotor position sensor |
| Energy efficiency | ENEFF (CN) / Class 2 |