

Servomotor EMMT-AS-80-S-HS-RSB

Broj artikla: 5255431

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 | 80P |
| 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 |
| Udarne 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 | 1,46 Nm |
| Nazivni obrtni moment | 1,3 Nm |
| Vršni obrtni moment | 2,8 Nm |
| Nazivna brzina obrtanja | 3.000 1/min |
| Maks. brzina obrtanja | 8.950 1/min |
| Max. mechanical speed | 14.000 1/min |
| Nazivna snaga motora | 408 W |
| Trajna struja mirovanja | 2 A |
| Nazivna struja, motor | 1,76 A |
| Vršna struja | 5,4 A |
| Motorska konstanta | 0,74 Nm/A |
| Standstill torque constant | 0,89 Nm/A |
| Naponska konstanta, linijska | 53,6 mVmin |
| Otpor navoja faza-faza | 12,4 Ohm |
| Induktivnost navoja faza-faza | 39,8 mH |
| Winding longitudinal inductivity Ld (phase) | 25 mH |
| Winding cross inductivity Lq (phase) | 29,8 mH |
| Electric time constant | 4,8 ms |
| Thermal time constant | 42 min |
| Thermal resistance | 0,95 K/W |
| Measuring flange | 250 x 250 x 15 mm, steel |
| Sveukupni moment inercije gonjene strane | 0,897 kgcm ² |
| Težina proizvoda | 2.720 g |
| Dozvoljeno aksijalno opterećenje vratila | 120 N |
| Dozvoljeno radijalno opterećenje vratila | 620 N |
| Senzor položaja rotora | Apsolutni encoder sa punim krugom |
| Rotor position sensor, manufacturer designation | ECI 1118 |
| Rotor position sensor, absolute detectable revolutions | 1 |
| 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 | 262.144 |
| Okidački enkoder rotora | 18 Bit |
| Rotor position sensor, system accuracy of angle measurement | -120 ... 120 arcsec |
| Moment držanja, kočnica | 4,5 Nm |
| Pogonski napon DC, kočnica | 24 V |
| Brake current consumption | 0,5 A |
| Primljena snaga, kočnica | 12 W |
| Brake coil resistance | 48 Ohm |
| Brake coil inductivity | 1.000 mH |
| Brake separation time | ≤ 55 ms |
| Brake closing time | ≤ 15 ms |
| DC brake response delay | ≤ 3 ms |
| Max. brake no-load speed | 10.000 1/min |
| Max. brake friction work | 8.200 J |
| Moment inercije kočnice | 0,249 kgcm ² |
| Switching cycles, holding brake | 10 million idle actuations (without friction work) |
| MTTF, subcomponent | 190 years, rotor position sensor |