

Servomotor EMMT-AS-150-MK-HS-R2MYB

Broj artikla: 8148287

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 | IP21 |
| Note on degree of protection | IP21 for motor shaft without rotary shaft seal 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 |
| Izvedba vratila sa ravnim klinom | DIN 6885 A 8 x 7 x 36 |
| Interface code, motor out | 150A |
| 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 | prema EN 60068-2-6 |
| Udarna čvrstoća | prema EN 60068-2-29 15 g/11 ms to 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 | TÜV 968/FSP 2317.00/21 UL E342973 |

| Svojstvo | Vrednost |
|-------------------------------------------------------------|-------------------------------------------------------|
| Nazivni pogonski napon DC | 680 V |
| Vrsta spajanja navoja | Zvezda unutrašnja |
| Number of pole pairs | 5 |
| Obrtni moment mirovanja | 33 Nm |
| Nazivni obrtni moment | 27,1 Nm |
| Vršni obrtni moment | 64 Nm |
| Nazivna brzina obrtanja | 1.500 1/min |
| Maks. brzina obrtanja | 2.368 1/min |
| Max. mechanical speed | 10.000 1/min |
| Nazivna snaga motora | 4.257 W |
| Trajna struja mirovanja | 11,4 A |
| Nazivna struja, motor | 9,5 A |
| Vršna struja | 24 A |
| Motorska konstanta | 2,85 Nm/A |
| Standstill torque constant | 3,3 Nm/A |
| Naponska konstanta, linijska | 199,4 mVmin |
| Otpor navoja faza-faza | 0,935 Ohm |
| Induktivnost navoja faza-faza | 14,6 mH |
| Winding longitudinal inductivity Ld (phase) | 7,2 mH |
| Winding cross inductivity Lq (phase) | 7,3 mH |
| Electric time constant | 15,4 ms |
| Thermal time constant | 45 min |
| Thermal resistance | 0,45 K/W |
| Measuring flange | 450 x 450 x 30, steel |
| Sveukupni moment inercije gonjene strane | 46,9 kgcm ² |
| Težina proizvoda | 22.200 g |
| Dozvoljeno aksijalno opterećenje vratila | 294 N |
| Dozvoljeno radijalno opterećenje vratila | 1.470 N |
| Senzor položaja rotora | Safety Enc. absolut multi turn |
| 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 |
| Moment držanja, kočnica | 45 Nm |
| Pogonski napon DC, kočnica | 24 V |
| Brake current consumption | 1,08 A |
| Primljena snaga, kočnica | 26 W |
| Brake separation time | 230 ms |
| Brake closing time | 45 ms |
| DC brake response delay | 6 ms |
| Max. brake no-load speed | 10.000 1/min |
| Moment inercije kočnice | 8,2 kgcm ² |
| Switching cycles, holding brake | 5 million idle actuations (without work of friction!) |
| Safety Integrity Level (SIL), component parts | SIL 2, encoder |
| Performance Level (PL), component parts | Category 3, Performance Level d, encoder |
| PFHd, component parts | 15 x 10E-9, encoder |
| Duration of use Tm, component parts | 20 years, rotor position encoder |
| MTTF, subcomponent | 190 years, rotor position sensor |
| Energy efficiency | ENEFF (CN) / Class 1 |