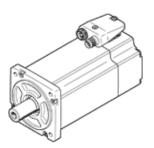
Servomotor EMME-AS-80-S-LS-AM Part number: 2093105 Product to be discontinued

Without gearing, without brake.





Data sheet

| Feature | Value |
|--|---|
| Ambient temperature | -10 40 °C |
| Storage temperature | -20 70 °C |
| Relative air humidity | 0 - 90 % |
| Conforms to standard | IEC 60034 |
| Insulation protection class | F |
| Rating class according to EN 60034-1 | S1 |
| Protection class | IP21 |
| Electrical connector system | Plug |
| Materials note | Conforms to RoHS |
| Corrosion resistance classification CRC | 0 - No corrosion stress |
| PWIS conformity | VDMA24364 zone III |
| Authorization | RCM Mark |
| | c UL us - Recognized (OL) |
| CE symbol (see declaration of conformity) | according to EU-EMV guideline |
| , , , | according to EU low voltage guideline |
| | 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 |
| Nominal operating voltage DC | 360 V |
| Nominal voltage DC | 360 V |
| Type of winding switch | Star inside |
| Number of pole pairs | 3 |
| Standstill torque | 2.8 Nm |
| Nominal torque | 2.4 Nm |
| Peak torque | 11.2 Nm |
| Nominal rotary speed | 3,000 1/min |
| Max. speed | 4,690 1/min |
| Nominal motor power | 750 W |
| Continuous open-circuit current | 3.1 A |
| Nominal motor current | 2.6 A |
| Peak current | 12.4 A |
| Motor constant | 0.923 Nm/A |
| Voltage constant, phase-to-phase | 54.3 mVmin |
| Phase-phase winding resistance | 4.6 Ohm |
| Phase-phase winding inductance | 9.46 mH |
| Overall mass moment of inertia at power take-off | 1.4 kgcm2 |
| Product weight | 3,050 g |
| Permissible axial shaft load | 70 N |
| Permissible radial shaft load | 350 N |
| Rotor position sensor | Absolute multi-turn encoder |
| Rotary position encoder interface | HIPERFACE® |
| Rotary position encoder measuring principle | Capacitive |
| Rotor position encoder, sinusoidal/cosinusoidal periods per revolution | 16 |
| Rotor position encoder, sinusoidal/cosinusoidal periods per revolution | 12 Bit |
| Rotor position encoder, typical resolution Rotor position encoder, typical angular accuracy | |
| , ,,, ,, | 20 arcmin |
| MTTFd, subcomponent | 271 years, rotary position encoder |
| Energy efficiency | ENEFF (CN) / Class 2 |