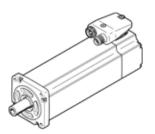
servo motor EMME-AS-60-M-LS-ASB Part number: 2089732 Product to be discontinued

Without gear unit/with brake.





Data sheet

| Storage temperature -20 70 °C | Feature | Value |
|--|--|---|
| Relative air humidity Conforms to standard IEC 60034 Insulation protection class F Rating class according to EN 60034-1 S1 Protection class IP21 Electrical connector system Materials note Conforms to RoHS Corrosion resistance classification CRC O - No corrosion stress PWIS conformity Authorisation RCM Mark c UL us - Recognized (OL) CE mark (see declaration of conformity) UKCA marking (see declaration of conformity) To UK instructions for electrical equipment To UK instructions for electrical equipment To UK instructions for electrical equipment To UK RoHS instructions Nominal operating voltage DC 360 V Nominal voltage DC 360 V Nominal voltage DC 360 V Star inside Number of pole pairs 3 Standstill torque 1.2 km Peak torque 6 Nm Nominal rotary speed 4,925 1/min Nominal motor power 380 W Conforms to ROH Nominal rotary speed 4,925 1/min Nominal motor power 380 W Conforms to ROH Nominal motor power 1.5 A Peak current 1.5 A Peak contain, phase-to-phase 1.7 NVmin Phase-phase phase winding inductance Overall mass moment of inertia at power take-off Phase-phase winding inductance Overall mass moment of inertia at power take-off Product weight 1.20 Q Permissible axial shaft load Poweral mass moment of inertia at power take-off Product weight 2.70 N Rotary position encoder interface Rotary position encoder interface HIPERFACED Absolute single turn encoder HIPERFACED Absolute single turn encoder | Ambient temperature | -10 40 °C |
| Conforms to standard IEC 60034 F Rating class according to EN 60034-1 S1 Protection class Rating class according to EN 60034-1 S1 Protection class Electrical connector system Materials note Corrosion resistance classification CRC O - No corrosion stress Plug Materials note Corrosion resistance classification CRC O - No corrosion stress PWIS conformity Authorisation EM Mark CUL us - Recognized (OL) CE mark (see declaration of conformity) to EU directive for EMC to EU directive low-voltage devices in accordance with EU BOHS 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 Type of winding switch Star inside Number of pole pairs 3 Standarfill corque 1.5 km Nominal torque 1.2 km Nominal torque 1.2 km Nominal torque 4.25 1/min Nominal motor power Continuous open-circuit current 1.8 A Nominal motor current 1.9 A ON Overall mass moment of inertia at power take-off Product weight Product weight one coder measuring principle EERFECED Absolute single turn encoder HIPERFECED Kotary position encoder interface Rotary position encoder interface Rotary position encoder interface | Storage temperature | -20 70 °C |
| Insulation protection class Rating class according to EN 60034-1 Facting class according to EN 60034-1 Filectrical connector system Plug Raterial stone Corrosion resistance classification CRC O - No corrosion stress PMIS conformity VDMA24364 zone III Authorisation RCM Mark c UL us - Recognized (OL) CE mark (see declaration of conformity) UECA marking (see declaration of conformity) UECA | Relative air humidity | 0 - 90 % |
| Rating class according to EN 60034-1 Protection class IP21 Electrical connector system Plug Materials note Conforms to ROHS Corrosion resistance classification CRC O - No corrosion stress PWIS conformity Authorisation RCM Mark CUL us - Recognized (OL) CE mark (see declaration of conformity) to EU directive for EMC to EU directive low-voltage devices in accordance with EU ROHS directive UKCA marking (see declaration of conformity) To UK instructions for electrical equipment To UK sold instructions for EMC To UK RoHS instructions Nominal operating voltage DC 360 V Nominal operating voltage DC 360 V Type of winding switch Strainside Number of pole pairs 3 Strainside Number of pole pairs 3 Strainside Nominal torque 1.2 Nm Peak torque 6 Nm Nominal torque 1.2 Nm Nominal torque 1.2 Nm Nominal torque 4.925 1/min Nominal motor power 380 W Continuous open-circuit current 1.8 A Nominal motor current 1.8 A Nominal motor current 1.8 A Nominal motor current 1.5 A Peak current 7.2 A Motor constant 0.8 Nm/A Voltage constant, phase-to-phase 9.8 Ohm Phase-phase winding resistance 9.8 Ohm Phase-phase winding inductance 1.6.8 mH Overall mass moment of inertia at power take-off 0.512 kgcm2 Product weight 2.700 g Permissible axial shaft load Postary position encoder interface HIPERFACE© Rotary position encoder interface HIPERFACE© Rotary position encoder interface HIPERFACE© Capacitive | Conforms to standard | IEC 60034 |
| Protection class P121 | Insulation protection class | F |
| Protection class P121 | Rating class according to EN 60034-1 | S1 |
| Materials note Corrosion resistance classification CRC O - No corrosion stress Wils conformity Authorisation CE mark (see declaration of conformity) CE mark (see declaration of conformity) UKCA marking (see declaration of conformity) UKCA marking (see declaration of conformity) UKCA marking (see declaration of conformity) To UK instructions for electrical equipment 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 Nominal voltage DC 360 V Number of pole pairs 3 Standstill torque 1.5 Nm Nominal torque 1.2 Nm Peak torque 6 Nm Nominal rotary speed 3,000 1/min Max. speed 4,925 1/min Nominal motor power 380 W Continuous open-circuit current 1.8 A Nominal motor power 1.5 A Nominal motor current 1.5 A Peak current 7.2 A Motor constant 0.8 Nm/A Notor constant 0.8 Nm/A Voltage constant, phase-to-phase 51.7 mVmin Phase-phase winding inductance 9.8 Ohm Phase-phase winding inductance 9.70 N Rotor position encoder interface Rotary position encoder interfac | Protection class | IP21 |
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| KOTOT DOSIDOT ENCODEL, SITUSOTOAT/COSITUSOTOAT DELIGIOUS DEL TEVOTUDOT 115 | Rotor position encoder, sinusoidal/cosinusoidal periods per revolution | 16 |



| Feature | Value |
|--|---|
| Rotor position encoder, typical resolution | 12 Bit |
| Rotor position encoder, typical angular accuracy | 20 arcmin |
| Brake holding torque | 2 Nm |
| Operating voltage DC for brake | 24 V |
| Power consumption, brake | 11 W |
| Mass moment of inertia of brake | 0.086 kgcm2 |
| Switching cycles, holding brake | 5 million idle actuations (without work of friction!) |
| MTTF, subcomponent | 538 years, holding brake |
| MTTFd, subcomponent | 340 years, rotary position encoder |