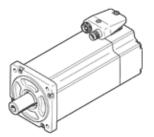
## Servomotor EMME-AS-80-M-HS-AS Part number: 2093200 Product to be discontinued

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   | 565 V                                       |
| Nominal voltage DC   | 565 V                                       |
| Type of winding switch   | Star inside                                 |
| Number of pole pairs   | 3   |
| Standstill torque  | 3.5 Nm                                      |
| Nominal torque   | 3.2 Nm                                      |
| Peak torque  | 14 Nm                                       |
| Nominal rotary speed   | 3,000 1/min                                 |
| Max. speed   | 4,097 1/min                                 |
| Nominal motor power  | 1,000 W                                     |
| Continuous open-circuit current  | 2.2 A                                       |
| Nominal motor current  | 2.1 A                                       |
| Peak current   | 8.8 A                                       |
| Motor constant   | 1.524 Nm/A                                  |
| Voltage constant, phase-to-phase                                       | 97.5 mVmin                                  |
| Phase-phase winding resistance   | 9 Ohm                                       |
| Phase-phase winding inductance   | 22.8 mH                                     |
| Overall mass moment of inertia at power take-off                       | 1.93 kgcm2                                  |
| Product weight   | 3,700 g                                     |
| Permissible axial shaft load   | 72 N  |
| Permissible radial shaft load  | 360 N                                       |
| Rotor position sensor  | Absolute single 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, sindsoldal/cosindsoldal periods per revolution | 12 Bit                                      |
| Rotor position encoder, typical resolution                             | 20 arcmin                                   |
| MTTFd, subcomponent  | 340 years, rotary position encoder          |
| Energy efficiency  | ENEFF (CN) / Class 2                        |
| Lineigy eniciency  | LINLII (CIN) / CIASS 2                      |

**FESTO**