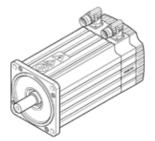
## Servomotor EMMS-AS-140-L-HV-RR-S1 Part number: 1574692 Product to be discontinued

Without gear unit.



## **Data sheet**

| Feature  | Value                                       |
|--|---|
| Ambient temperature                              | -40 40 °C                                   |
| Storage temperature                              | -20 60 °C                                   |
| Relative air humidity                            | 0 - 90 %                                    |
| Conforms to standard                             | IEC 60034                                   |
| Insulation protection class                      | F   |
| Rating class according to EN 60034-1             | S1  |
| Temperature monitoring                           | PTC resistor                                |
| Protection class                                 | IP65  |
| Electrical connector system                      | Plug  |
| Materials note                                   | Conforms to RoHS                            |
| Corrosion resistance classification CRC          | 2 - Moderate corrosion stress               |
| PWIS conformity                                  | VDMA24364-B2-L                              |
| 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 voltage DC                               | 565 V                                       |
| Type of winding switch                           | Star inside                                 |
| Number of pole pairs                             | 6   |
| Standstill torque                                | 25.5 Nm                                     |
| Nominal torque                                   | 17.41 Nm                                    |
| Peak torque                                      | 67.5 Nm                                     |
| Nominal rotary speed                             | 2,800 1/min                                 |
| Max. speed                                       | 3,830 1/min                                 |
| Nominal motor power                              | 5,110 W                                     |
| Nominal motor current                            | 9.96 A                                      |
| Peak current                                     | 51.5 A                                      |
| Motor constant                                   | 1.75 Nm/A                                   |
| Voltage constant, phase-to-phase                 | 104.41 mVmin                                |
| Phase-phase winding resistance                   | 0.586 Ohm                                   |
| Phase-phase winding inductance                   | 4.65 mH                                     |
| Overall mass moment of inertia at power take-off | 18.4 kgcm2                                  |
| Product weight                                   | 16,440 g                                    |
| Permissible axial shaft load                     | 200 N                                       |
| Permissible axial shaft load                     | 1.060 N                                     |
| Rotor position sensor                            | Resolver                                    |
| Rotary position encoder interface                | SIN/COS analogue signal                     |
| Rotary position encoder measuring principle      | Inductive                                   |
| MTTF, subcomponent                               | 114 years, rotary position encoder          |
| MTTFd, subcomponent                              | 228 years, rotary position encoder          |
| Energy efficiency                                | ENEFF (CN) / Class 2                        |
| Litersy eniciency                                | LIVLIT (CIV) / Class 2                      |

**FESTO**