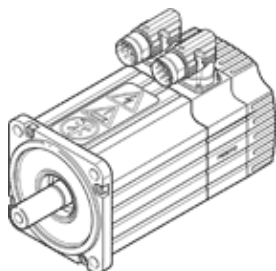


# servo motor EMMS-AS-100-SK-HS-RR-S1

Part number: 1562931

FESTO

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
Shaft design Featherkey	DIN 6885 A 6 x 6 x 32
Electrical connector system	Plug
Materials note	Conforms to RoHS
Corrosion resistance classification CRC	2 - Moderate corrosion stress
Authorisation	RCM Mark c UL us - Recognized (OL)
CE mark (see declaration of conformity)	to EU directive for EMC to EU directive low-voltage devices
Nominal operating voltage DC	565 V
Nominal voltage DC	565 V
Type of winding switch	Star inside
Number of pole pairs	6
Standstill torque	4.71 Nm
Nominal torque	3.24 Nm
Peak torque	12.5 Nm
Nominal rotary speed	4,600 1/min
Max. speed	6,680 1/min
Nominal motor power	1,560 W
Nominal motor current	3.3 A
Peak current	15 A
Motor constant	0.984 Nm/A
Voltage constant, phase-to-phase	59.75 mVmin
Phase-phase winding resistance	2.92 Ohm
Phase-phase winding inductance	8.85 mH
Overall mass moment of inertia at power take-off	2.6 kgcm <sup>2</sup>
Product weight	5,040 g
Permissible axial shaft load	150 N
Permissible radial shaft load	300 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