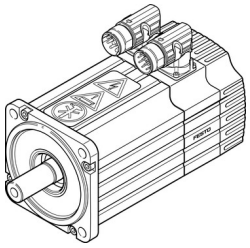
Servo motor
EMMS-AS-100-SK-HS-RR

Part number: 1562919



Data sheet

Feature	Value
Number of pole pairs	6
Type code	EMMS-AS
Rotor position sensor	Resolver
Rotor position sensor interface	SIN/COS analog signals
Rotor position sensor measuring principle	Inductive
Temperature monitoring	PTC resistor
Max. rotational speed	6680 1/min
Nominal rotary speed	4600 1/min
Insulation protection class	F
Motor constants	0.984 Nm/A
Nominal operating voltage DC	565 V
Motor nominal power	1560 W
DC nominal voltage	565 V
Motor nominal current	3.3 A
Phase-phase winding resistance	2.92 Ohm
Winding inductance phase-phase	8.85 mH
Type of winding switch	Star inside
Peak current	15 A
Voltage constant, phase-to-phase	59.75 mVmin
Rating class according to EN 60034-1	S1
CE marking (see declaration of conformity)	As per EU EMC directive As per EU low voltage directive
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
Storage temperature	-20 °C ... 60 °C
Relative air humidity	0 - 90 %
Degree of protection	IP54
Ambient temperature	-40 °C ... 40 °C
Certification	RCM compliance mark c UL us - Recognized (OL)
Total output inertia moment	2.6 kgcm²
Nominal torque	3.24 Nm
Peak torque	12.5 Nm
Stall torque	4.71 Nm
Permissible axial shaft load	150 N
Permissible radial shaft load	300 N
MTTF, subcomponent	114 years, rotor position sensor

Feature	Value
MTTFd, subcomponent	228 years, rotor position sensor
Product weight	5040 g
Electrical connection technology	Plug
Note on materials	RoHS-compliant
Conforms to standard	IEC 60034
Featherkey shaft design	DIN 6885 A 6 x 6 x 32