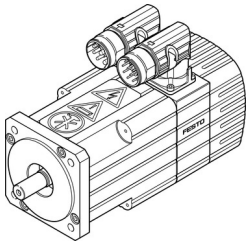
Servo motor
EMMS-AS-70-S-HV-RR

Part number: 1704777



Data sheet

Feature	Value
Number of pole pairs	4
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	8200 1/min
Nominal rotary speed	7400 1/min
Insulation protection class	F
Motor constants	0.798 Nm/A
Nominal operating voltage DC	565 V
Motor nominal power	992 W
DC nominal voltage	565 V
Motor nominal current	1.6 A
Phase-phase winding resistance	11.935 Ohm
Winding inductance phase-phase	19.741 mH
Type of winding switch	Star inside
Peak current	7.5 A
Voltage constant, phase-to-phase	48.72 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	0.39 kgcm²
Nominal torque	1.28 Nm
Peak torque	5.17 Nm
Stall torque	1.62 Nm
Permissible axial shaft load	75 N
Permissible radial shaft load	150 N
MTTF, subcomponent	80 years, rotor position sensor

Feature	Value
MTTFd, subcomponent	160 years, rotor position sensor
Product weight	2190 g
Electrical connection technology	Plug
Note on materials	RoHS-compliant
Conforms to standard	IEC 60034