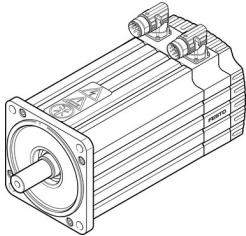


# Servo motor EMMS-AS-140-L-HV-RR-S1

Part number: 1574692

FESTO



## 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	3830 1/min
Nominal rotary speed	2800 1/min
Insulation protection class	F
Motor constants	1.75 Nm/A
Motor nominal power	5110 W
DC nominal voltage	565 V
Motor nominal current	9.96 A
Phase-phase winding resistance	0.586 Ohm
Winding inductance phase-phase	4.65 mH
Type of winding switch	Star inside
Peak current	51.5 A
Voltage constant, phase-to-phase	104.41 mV/min
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	IP65
Ambient temperature	-40 °C ... 40 °C
Certification	RCM compliance mark c UL us - Recognized (OL)
Total output inertia moment	18.4 kgcm <sup>2</sup>
Nominal torque	17.41 Nm
Peak torque	67.5 Nm
Stall torque	25.5 Nm
Permissible axial shaft load	200 N
Permissible radial shaft load	1060 N
MTTF, subcomponent	114 years, rotor position sensor
MTTFd, subcomponent	228 years, rotor position sensor

<b>Feature</b>	<b>Value</b>
Product weight	16440 g
Electrical connection technology	Plug
Note on materials	RoHS-compliant
Conforms to standard	IEC 60034