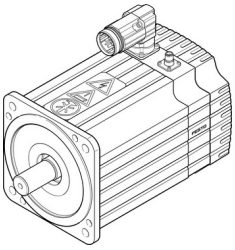
Servo motor
EMMS-AS-190-MK-HS-AS-S1

Part number: 1584952



Data sheet

Feature	Value
Ambient temperature	-10 °C ... 40 °C
Storage temperature	-20 °C ... 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
Degree of protection	IP65
Featherkey shaft design	DIN 6885 A 10 x 8 x 40
Electrical connection technology	Plug
Note on materials	RoHS-compliant
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Certification	RCM compliance mark c UL us - Recognized (OL)
CE marking (see declaration of conformity)	As per EU EMC directive As per EU low voltage directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK instructions for electrical equipment To UK RoHS instructions
Nominal operating voltage DC	565 V
DC nominal voltage	565 V
Type of winding switch	Star inside
Number of pole pairs	6
Stall torque	38.77 Nm
Nominal torque	22.63 Nm
Peak torque	120 Nm
Nominal rotary speed	2900 1/min
Max. rotational speed	4060 1/min
Motor nominal power	6880 W
Motor nominal current	14.24 A
Peak current	88.2 A
Motor constants	1.589 Nm/A
Voltage constant, phase-to-phase	98.6 mVmin
Phase-phase winding resistance	0.265 Ohm

Feature	Value
Winding inductance phase-phase	3.38 mH
Total output inertia moment	76.8 kgcm²
Product weight	26860 g
Permissible axial shaft load	250 N
Permissible radial shaft load	1080 N
Rotor position sensor	Absolute encoder, single-turn
Rotor position sensor interface	EnDat® 22
Rotor position sensor measuring principle	Inductive
Rotor position sensor resolution	18 bit
MTTF, subcomponent	76 years, rotor position sensor
MTTFd, subcomponent	152 years, rotor position sensor
Energy efficiency	ENEFF (CN) / Class 2