

# Servomotor EMMS-AS-140-S-HS-RS

Part number: 550131  
Product to be discontinued

FESTO

Without gear unit.



## Data sheet

Feature	Value
Ambient temperature	-10 ... 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	IP54
Electrical connector system	Plug
Materials note	Conforms to RoHS
Corrosion resistance classification CRC	2 - Moderate corrosion stress
PWIS conformity	VDMA24364-B2-L
Authorization	RCM Mark c UL us - Recognized (OL)
CE symbol (see declaration of conformity)	according to EU-EMV guideline according to EU low voltage guideline in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for electrical equipment To UK instructions for EMC To UK RoHS instructions
Nominal voltage DC	565 V
Type of winding switch	Star inside
Number of pole pairs	6
Standstill torque	11.32 Nm
Nominal torque	9.55 Nm
Peak torque	25.6 Nm
Nominal rotary speed	2,600 1/min
Max. speed	3,060 1/min
Nominal motor power	2,600 W
Nominal motor current	4.4 A
Peak current	15 A
Motor constant	2.166 Nm/A
Voltage constant, phase-to-phase	130.69 mV/min
Phase-phase winding resistance	3.39 Ohm
Phase-phase winding inductance	20.5 mH
Overall mass moment of inertia at power take-off	8.189 kgcm <sup>2</sup>
Product weight	9,600 g
Permissible axial shaft load	200 N
Permissible radial shaft load	780 N
Rotor position sensor	Absolute single turn encoder
Rotary position encoder interface	EnDat 22
Rotary position encoder measuring principle	Inductive
Rotary position encoder resolution	18 Bit
MTTF, subcomponent	76 years, rotary position encoder
MTTFd, subcomponent	152 years, rotary position encoder
Energy efficiency	ENEFF (CN) / Class 2