

# Servomotor EMMS-AS-100-LK-HS-RM

Part number: 1562965

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
Shaft design Featherkey	DIN 6885 A 6 x 6 x 32
Electrical connector system	Plug
Materials note	Conforms to RoHS
Corrosion resistance classification CRC	2 - Moderate corrosion stress
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
Nominal operating voltage DC	565 V
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Type of winding switch	Star inside
Number of pole pairs	6
Standstill torque	10.94 Nm
Nominal torque	7.51 Nm
Peak torque	39.8 Nm
Nominal rotary speed	3,000 1/min
Max. speed	3,360 1/min
Nominal motor power	2,360 W
Nominal motor current	3.8 A
Peak current	24.8 A
Motor constant	1.993 Nm/A
Voltage constant, phase-to-phase	118.77 mV/min
Phase-phase winding resistance	2.84 Ohm
Phase-phase winding inductance	10.5 mH
Overall mass moment of inertia at power take-off	6.6 kgcm <sup>2</sup>
Product weight	8,860 g
Permissible axial shaft load	150 N
Permissible radial shaft load	650 N
Rotor position sensor	Absolute multi-turn encoder
Rotary position encoder interface	EnDat 22
Rotary position encoder measuring principle	Inductive
Rotary position encoder resolution	19 Bit
MTTF, subcomponent	76 years, rotary position encoder
MTTFd, subcomponent	152 years, rotary position encoder