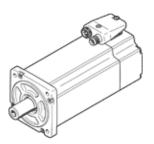
## Servomotor EMME-AS-80-M-HS-AM Part number: 2093201 Product to be discontinued

Without gearing, without brake.





## **Data sheet**

Feature	Value
Ambient temperature	-10 40 °C
Storage temperature	-20 70 °C
Relative air humidity	0 - 90 %
Conforms to standard	IEC 60034
Insulation protection class	F
Rating class according to EN 60034-1	S1
Protection class	IP21
Electrical connector system	Plug
Materials note	Conforms to RoHS
Corrosion resistance classification CRC	0 - No corrosion stress
PWIS conformity	VDMA24364 zone III
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 operating voltage DC	565 V
Nominal voltage DC	565 V
Type of winding switch	Star inside
Number of pole pairs	3
Standstill torque	3.5 Nm
Nominal torque	3.2 Nm
Peak torque	14 Nm
Nominal rotary speed	3,000 1/min
Max. speed	4,097 1/min
Nominal motor power	1,000 W
Continuous open-circuit current	2.2 A
Nominal motor current	2.1 A
Peak current	8.8 A
Motor constant	1.524 Nm/A
Voltage constant, phase-to-phase	97.5 mVmin
Phase-phase winding resistance	9 Ohm
Phase-phase winding inductance	22.8 mH
Overall mass moment of inertia at power take-off	1.93 kgcm2
Product weight	3,700 g
Permissible axial shaft load	72 N
Permissible radial shaft load	360 N
Rotor position sensor	Absolute multi-turn encoder
Rotary position encoder interface	HIPERFACE®
Rotary position encoder measuring principle	Capacitive
Rotor position encoder, sinusoidal/cosinusoidal periods per revolution	16
Rotor position encoder, typical resolution	12 Bit
Rotor position encoder, typical resolution	20 arcmin
MTTFd, subcomponent	271 years, rotary position encoder
Energy efficiency	ENEFF (CN) / Class 2
Lineizy emidency	LIVELLI (CIV) / Class 2