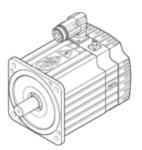
## Servomotor EMMS-AS-190-S-HS-AMB-S1 Part number: 1584925 Product to be discontinued

**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	IP65	
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 operating voltage DC	565 V	
Nominal voltage DC	565 V	
Type of winding switch	Star inside	
Number of pole pairs	6	
Standstill torque	26.2 Nm	
Nominal torque	17.47 Nm	
Peak torque	80 Nm	
Nominal rotary speed	3,000 1/min	
Max. speed	5,300 1/min	
Nominal motor power	5,490 W	
Nominal motor current	14.43 A	
Peak current	77.2 A	
Motor constant	1.211 Nm/A	
Voltage constant, phase-to-phase	75.4 mVmin	
Phase-phase winding resistance	0.283 Ohm	
Phase-phase winding inductance	3.07 mH	
Overall mass moment of inertia at power take-off	55.7 kgcm2	
Product weight	21,960 g	
Permissible axial shaft load	250 N	
Permissible radial shaft load	940 N	
Rotor position sensor	Absolute multi-turn encoder	
Rotary position encoder interface	EnDat 21	
Rotary position encoder measuring principle	Inductive	
Rotor position encoder resolution	19 Bit	



Feature	Value
Brake holding torque	30 Nm
Operating voltage DC for brake	24 V
Power consumption, brake	17 W
Mass moment of inertia of brake	3.8 kgcm2
Switching cycles, holding brake	5 million idle actuations (without work of friction!)
MTTF, subcomponent	76 years, rotary position encoder
	4469 years, holding brake
MTTFd, subcomponent	152 years, rotary position encoder
Energy efficiency	ENEFF (CN) / Class 2