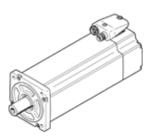
## servo motor EMME-AS-80-M-HS-ASB Part number: 2093202 Product to be discontinued

**FESTO** 

Without gear unit/with brake.



## **Data sheet**

Ambient temperature	Feature	Value
Relative air humidity  Conforms to standard  IEC 60034  Insulation protection class  F Rating class according to EN 60034-1  Electrical connector system  Plug  Materials note  Cornosion resistance classification CRC  O - No corrosion stress  PVIS conformity  Authorisation  CE mark (see declaration of conformity)  UKCA marking (see declaration of conformity)  UK (see declaration of conformity)  UKCA marking (see declaration of confor	Ambient temperature	-10 40 °C
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Rating class according to EN 60034-1 Protection class Protection class Protection class Plug Materials note Conforms to RoHS Corrosion resistance classification CRC O- No corrosion stress PWIS conformity Authorisation CUL us. Recognized (OL) CE mark (see declaration of conformity) to EU directive for EMC to EU directive for EMC to EU directive for EMC To UK instructions for electrical equipment To UK instructions for EDC To UK RoHS instructions Nominal operating voltage DC Sofs V Type of winding switch Number of pole pairs Standsrill torque 3.5 Mm Nominal torque 3.2 Nm Peak torque 1.4 Nm Nominal torque 3.2, Nm Nominal torque 3.3,000 1/min Max. speed 4,097 1/min Nominal motor owner Continuous open-circuit current 2.2 A Nominal motor current 8.8 A Motor constant Motor constant Power and the subject of the Continuous open-circuit current Rober Sofs N Nominal roducance 9.0 Nm Phase-phase winding resistance 9.0 Nm Phase-phase winding inductance 2.2.8 mH Poemass winding resistance Product weight Permissible axial shaft load Rotar position encoder interface Rotary position encoder interface Rotary position encoder interface Rotary position encoder interface HIPERFACE© Capacitive	Conforms to standard	IEC 60034
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Protection class   P121	Rating class according to EN 60034-1	S1
Materials note Corrosion resistance classification CRC O - No corrosion stress  WiSconformity Authorisation  CE mark (see declaration of conformity)  UKCA marking (see declaration of conformity)  UKCA marking (see declaration of conformity)  UKCA marking (see declaration of conformity)  To UK instructions for EMC To UK Rost Sinstructions To UK instructions for electrical equipment To UK instructions for EMC To UK Rost Sinstructions  Nominal operating voltage DC So55 V  Nominal torque Standstill torque Sommer Sinstructions  Nominal torque Sommer Sinstructions  Peak torque Sommer Sinstructions  Nominal notor power Sommer Sinstructions  Nominal motor current Sommer Sinstructions Sommer Sommer Sinstru		IP21
Corrosion resistance classification CRC  PWIS conformity  Authorisation  RCM Mark  c UL us - Recognized (OL)  CE mark (see declaration of conformity)  to EU directive for EMC  to EU directive for EMC  to EU directive low-voltage devices in accordance with EU RoHS directive  UKCA marking (see declaration of conformity)  To UK instructions for electrical equipment To UK north Company To UK ROHS instructions for EMC To UK ROHS instructions for EMC To UK ROHS instructions for EMC To UK ROHS instructions  Nominal operating 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 torque 3.200 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 Nominal motor current 2.2 A Nominal motor current 8.8 A Notor constant Voltage constant, phase-to-phase 9,0 hm Phase-phase winding resistance 9,0 hm Phase-phase winding resistance 9,0 hm Phase-phase winding inductance 0.2 & RoH Permissible axial shaft load 72 N Permissible axial shaft load Permissible axial shaft load Rotary position encoder interface Rotary position encoder measuring principle Capacitive	Electrical connector system	Plug
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KOTOT DOSTITOT ENCOGET, SITUSOTOAT/COSTITUSOTOAT DEFIOOS DEL TEVOTUTOT 116	Rotor position encoder, sinusoidal/cosinusoidal periods per revolution	16



Feature	Value
Rotor position encoder, typical resolution	12 Bit
Rotor position encoder, typical angular accuracy	20 arcmin
Brake holding torque	4.5 Nm
Operating voltage DC for brake	24 V
Power consumption, brake	12 W
Mass moment of inertia of brake	0.222 kgcm2
Switching cycles, holding brake	5 million idle actuations (without work of friction!)
MTTF, subcomponent	797 years, holding brake
MTTFd, subcomponent	340 years, rotary position encoder
Energy efficiency	ENEFF (CN) / Class 2