# Servo Motor EMME-AS-60-M-LS-ASB - Festo 2089732

**Item no. FES-2089732** | **Manufacturer Festo** | **EAN 4052568251031**

Festo drive motor for precise, dynamic motion tasks in automation technology.


## TECHNICAL DATA

| | |
|---|---|
| HS-Code | **85015100** |
| Schutzart | **IP21** |
| Weight | **2.7 kg** |

## STANDARDS & COMPLIANCE

DIN 60034-1

## DESCRIPTION

Festo drive motor for precise, dynamic motion tasks in automation technology. The key technical data of this genuine Festo article are listed below.

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|---|---|
| ambient temperature [°C] | -10 to 40 |
| Bearing temperature [°C] | -20 to 70 |
| Relative humidity | 0 - 90 % |
| Complies to standard | IEC 60034 |
| Insulation protection class | F |
| Measurement class according to DIN 60034-1 | S1 |
| Protection category | IP21 |
| Electrical connection technology | Plug |
| Material information | LABS containing materials included<br>RoHs compliant |
| Corrosion resistant class KBK | 0 - No corrosion stressing |

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| | |
|---|---|
| Permission | RCM mark<br>c UL us - Recognized (OL) |
| CE certificate (see declaration of conformity) | to EU EMC directive<br>to EU low voltage directive |
| Nominal operating voltage DC [V] | 360 |
| Nominal voltage DC [V] | 360 |
| Winding switching type | Star internal |
| Polpaarzahl | 3 |
| Standstill torque [Nm] | 1,50 |
| Nominal torque [Nm] | 1,20 |
| Peak torque [Nm] | 6,0 |
| Nominal rotational speed [1/min] | 3.000 |
| Max. speed [1/min] | 4.925 |
| Nominal performance motor [W] | 380 |
| Continuous standstill current [A] | 1,8 |
| Nominal current motor [A] | 1,5 |
| Peak current [A] | 7,2 |
| Motor constant [Nm/A] | 0,800 |
| Voltage constant phase-phase [mVmin] | 51,7 |
| Winding resistance phase-phase [Ohm] | 9,8 |
| Winding inductivity phase-phase [mH] | 16,80 |
| Total output moment of gyration [kg/cm²] | 0,512 |
| Product weight [g] | 2.200 |
| Permitted axial shaft loading [N] | 54 |
| Permitted radial shaft loading [N] | 270 |
| Rotor position transducer | Encoder absolut single turn |
| Rotor position transducer interface | HIPERFACE® |
| Rotor position transducer measurement principle | Capacitive |
| Rotor position transducer sinus / cosinus periods per rotation | 16 |
| Rotor position transducer resolution typical [Bit] | 12 |
| Rotor position transducer typical angle precision [arcmin] | 20 |
| MTTFd, part component | 340 years, rotor position sensor |
| Holding torque brake [Nm] | 2,0 |
| Operating voltage DC brakes [V] | 24 |
| Power consumption brake [W] | 11 |
| Mass inertia Brake [kg/cm²] | 0,086 |

| | |
|---|---|
| Switching play holding brake | 5 million empty actuation (without frictional work!) |
| MTTF, part component | 538 years, holding brake |