

Servo motor MTR-AC-100-3S-AB

Part number: 526732

FESTO

Without gear unit/with brake.



Data sheet

Feature	Value
Rotor position sensor	Resolver
Temperature monitoring	PTC resistor
Max. speed	5,320 1/min
Nominal rotary speed	4,300 1/min
Operating voltage DC for brake	24 V
Continuous open-circuit current	6.7 A
Insulation protection class	F
Power consumption, brake	13 W
Motor constant	0.711 Nm/A
Nominal motor power	1,417 W
Nominal voltage DC	325 V
Nominal motor current	5 A
Peak current	20 A
CE mark (see declaration of conformity)	to EU directive low-voltage devices
Storage temperature	-10 ... 60 °C
Relative air humidity	Max. 90%
Protection class	IP54
Ambient temperature	-40 ... 40 °C
Authorisation	c UL us - Recognized (OL)
Overall mass moment of inertia at power take-off	3.14 kgcm ²
Brake holding torque	6 Nm
Mass moment of inertia of brake	0.54 kgcm ²
Mass moment of inertia of rotor	2.6 kgcm ²
Nominal torque	3.53 Nm
Peak torque	12.2 Nm
Standstill torque	4.74 Nm
Permissible axial shaft load	150 N
Permissible radial shaft load	300 N
Product weight	5,240 g
Electrical connector system	Plug