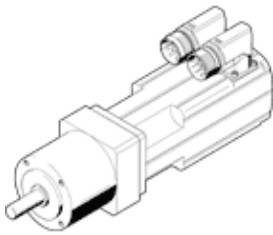


Servo motor MTR-AC-55-3S-GB

Part number: 526726

FESTO

With gearbox and brake.



Data sheet

Feature	Value
Torsional backlash	≤ 0.33 deg
Type of gear unit	Planetary gear unit
Gear unit ratio	4:1
Rotor position sensor	Resolver
Temperature monitoring	PTC resistor
Nominal output speed gear unit for 50% ED	1,125 1/min
Nominal output speed gear unit for 100% ED	1,100 1/min
Max. speed	8,090 1/min
Nominal rotary speed	6,800 1/min
Operating voltage DC for brake	24 V
Continuous open-circuit current	2.15 A
Insulation protection class	F
Power consumption, brake	11 W
Motor constant	0.457 Nm/A
Nominal motor power	468 W
Nominal voltage DC	325 V
Nominal motor current	1.4 A
Peak current	6.4 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	IP43
Ambient temperature	-40 ... 40 °C
Authorisation	c UL us - Recognized (OL)
Overall mass moment of inertia at power take-off	4.253 kgcm ²
Gear-unit output torque	2.5 Nm
Gear unit efficiency	0.95
Brake holding torque	0.9 Nm
Mass moment of inertia of brake	0.06 kgcm ²
Mass moment of inertia of gear unit	0.093 kgcm ²
Mass moment of inertia of rotor	0.2 kgcm ²
Nominal torque	0.66 Nm
Peak torque	2.8 Nm
Standstill torque	0.98 Nm
Torsional resistance	≤ 1.5 Nm/arc
Permissible axial shaft load	600 N
Permissible radial shaft load	500 N
Product weight	2,600 g
Electrical connector system	Plug