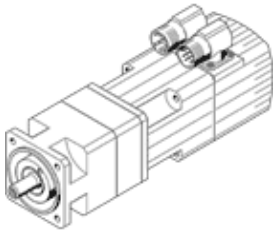


Servo motor MTR-AC-70-3S-GA

Part number: 526729

FESTO

With gearbox.



Data sheet

Feature	Value
Torsional backlash	≤ 0.05 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	862 1/min
Nominal output speed gear unit for 100% ED	675 1/min
Max. speed	11,640 1/min
Nominal rotary speed	6,250 1/min
Continuous open-circuit current	5.07 A
Insulation protection class	F
Motor constant	0.32 Nm/A
Nominal motor power	913 W
Nominal voltage DC	325 V
Nominal motor current	4.3 A
Peak current	10 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	6.6 kgcm ²
Gear-unit output torque	5.5 Nm
Gear unit efficiency	0.98
Mass moment of inertia of gear unit	0.2 kgcm ²
Mass moment of inertia of rotor	0.4 kgcm ²
Nominal torque	1.4 Nm
Peak torque	3.1 Nm
Standstill torque	1.64 Nm
Torsional resistance	≤ 2.3 Nm/arc
Permissible axial shaft load	4,000 N
Permissible radial shaft load	1,200 N
Product weight	5,000 g
Electrical connector system	Plug