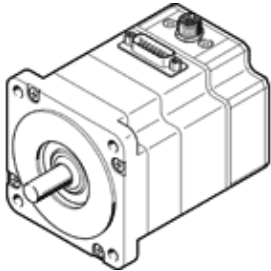


# Stepper motor EMMS-ST-87-S-SE

Part number: 549417

FESTO

Without gearing, without brake.



## Data sheet

Feature	Value
Stepper angle at full step	1.8 deg
Stepper angle tolerance	±5%
Rotor position sensor	Optical encoder
Insulation protection class	B
Nominal voltage DC	48 V
Nominal motor current	9.5 A
CE mark (see declaration of conformity)	to EU directive for EMC
Storage temperature	-20 ... 70 °C
Relative air humidity	45 - 80 %
Protection class	IP54
Ambient temperature	-10 ... 50 °C
Authorisation	C-Tick
Overall mass moment of inertia at power take-off	1 kgcm <sup>2</sup>
Brake holding torque	2 Nm
Motor holding torque	2.5 Nm
Mass moment of inertia of rotor	1 kgcm <sup>2</sup>
Permissible axial shaft load	65 N
Permissible radial shaft load	200 N
Product weight	2,100 g
Electrical connector system	Plug