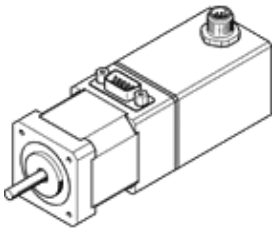


# Stepper motor EMMS-ST-42-S-SEB

Part number: 549407

FESTO

Without gear unit/with brake.



## Data sheet

Feature	Value
Stepper angle at full step	1.8 deg
Stepper angle tolerance	±5%
Rotor position sensor	Optical encoder
Operating voltage DC for brake	24 V
Insulation protection class	B
Power consumption, brake	8 W
Nominal voltage DC	48 V
Nominal motor current	1.8 A
CE symbol (see declaration of conformity)	according to EU-EMV guideline
Storage temperature	-20 ... 70 °C
Relative air humidity	45 - 80 %
Protection class	IP54
Ambient temperature	-10 ... 50 °C
Authorization	C-Tick
Overall mass moment of inertia at power take-off	0.095 kgcm <sup>2</sup>
Brake holding torque	0.4 Nm
Motor holding torque	0.5 Nm
Mass moment of inertia of brake	0.013 kgcm <sup>2</sup>
Mass moment of inertia of rotor	0.082 kgcm <sup>2</sup>
Permissible axial shaft load	7 N
Permissible radial shaft load	20 N
Product weight	600 g
Electrical connector system	Plug