

Model	Units	AVM 40-20
Stroke	mm	20
Force sensitivity (at mid stroke)	N/A	12.90
Back EMF constant	V/m/s	12.90
Continuous force (at 100 °C) ¹	N	9.93
Peak force	N	58.1
Resistance ²	ohms	12.1
Inductance ²	mH	5.12
Voltage at peak force	V	54.5
Continuous current (coil at 100 °C)	A	0.77
Peak current	A	4.50
Actuator constant	N/SqRt(W)	3.71
Continuous power	W	7.17
Electrical time constant	ms	0.42
Mechanical time constant	ms	4.87
Clearance of coil	mm	0.60
Power at peak force	W	245.0
Thermal dissipation constant	W/°C	0.096
Max coil temperature	°C	100.0
Coil assembly mass	g	67.0
Core assembly mass	g	226.2

1. Continuous force measured without any additional mounting plate or heat sink on coil
2. measured at 25 °C

AVM40-20

