

Push - Pull Solenoid

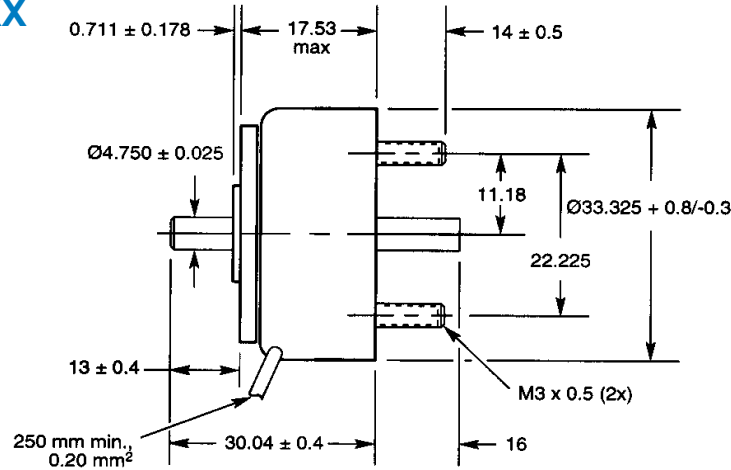
Linear - Size 3ECM



NSF
Innovative solutions
for a changing world

Medium Stroke, Conical Face

Part No: 282346-0XX



Solenoid shown in energised position

General Specifications

Dielectric Strength:

23-27 awg. 1000 VRMS
28-33 awg. 1200 VRMS

Coil Resistance:

+/- 5% tolerance

Holding Force:

53.4 N @ 105° C

Weight: 106.3 g

Recommended Heat Sink:

Maximum watts dissipated by the solenoid are based on an unrestricted flow of air at 20° C mounted on the equivalent of an aluminium plate 118x118x3.2mm min

Typical Performance Details for 3E Series:

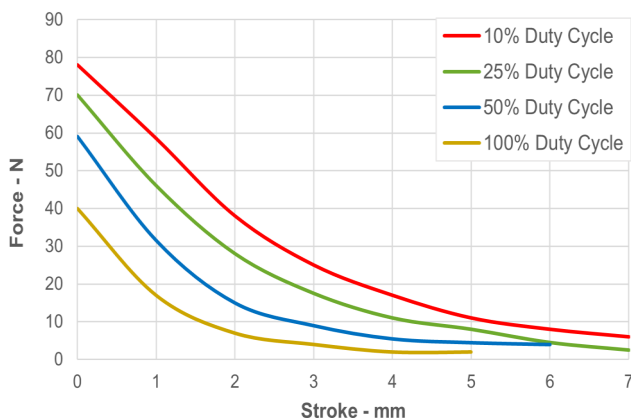
Up to 68 N force at 0.5 mm stroke

Under 4 milliseconds response time for 1 mm stroke under no load conditions

Conical pole face allows increased stroke with minimal reduction in performance

Performance Specifications

Typical Starting Force @ 20°C



Coil Specifications

Maximum Duty Cycle	100%	50%	25%	10%
Maximum ON Time (seconds) when pulsed continuously	∞	100	36	8
Maximum ON Time (seconds) for single pulse	∞	162	44	9
Watts (@ 20° C)	9	18	36	90
Ampere Turns (@ 20° C)	535	756	1070	1690

Coil Data

awg. (0XX)	Resistance (@ 20°C)	# Turns	Nominal DC Voltage			
23	0.70	145	2.6	3.7	5.2	8.2
24	1.18	192	3.3	4.6	6.6	10.4
25	1.97	252	4.2	5.9	8.4	13.2
26	3.26	328	5.3	7.5	10.6	16.8
27	5.04	405	6.7	9.4	13.3	21.0
28	8.02	510	8.4	11.9	16.8	27.0
29	12.21	627	10.4	14.7	21.0	33.0
30	19.20	780	13.2	18.6	26.0	42.0
31	31.84	1008	16.9	24.0	34.0	53.0
32	46.97	1215	21.0	29.0	41.0	65.0
33	75.30	1530	26.0	37.0	53.0	83.0