

Push - Pull Solenoid

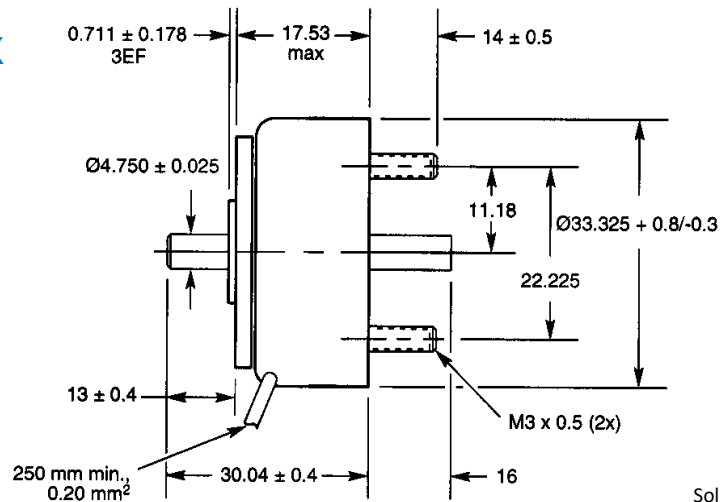
Linear - Size 3EFM



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Short Stroke, Flat Face

Part No: 282345-0XX



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:

115.6 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 144 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

Coil Specifications

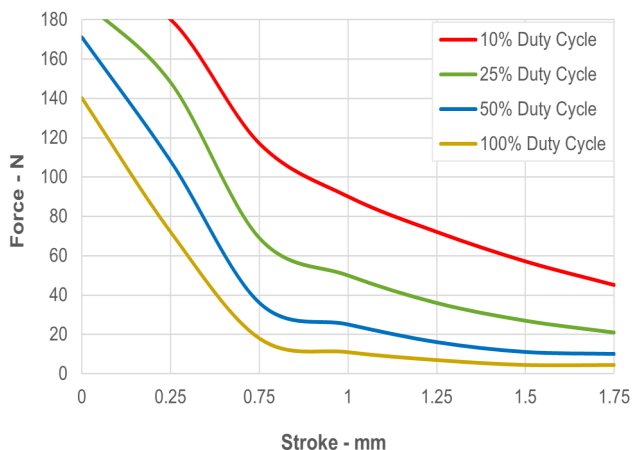
Maximum Duty Cycle	100%	50%	25%	10%
Maximum ON Time (seconds) when pulsed continuously	∞	100	36	8
Maximum ON Time (seconds) for single pulse	∞	162	44	9
Watts (@ 20° C)	9	18	36	90
Ampere Turns (@ 20° C)	535	756	1070	1690

Coil Data

avg. (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

Performance Specifications

Typical Starting Force @ 20°C



NSF Controls reserves the right to amend specification without prior notice. (Rev 02/22) www.nsfcontrols.co.uk

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