

Push - Pull Solenoid

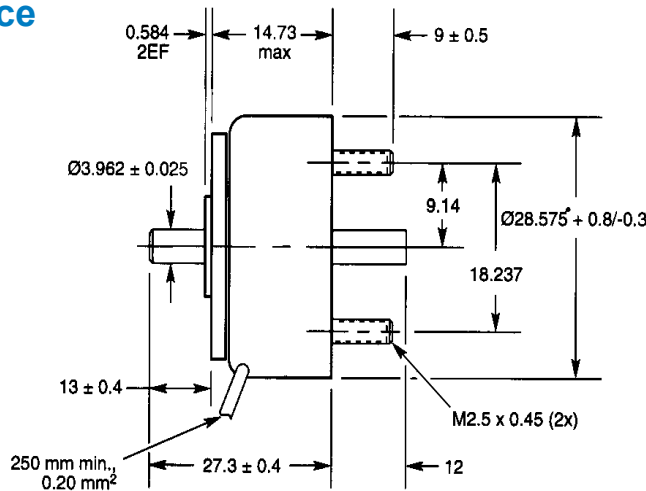
Linear - Size 2EFM



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Short Stroke, Flat Face

Part No: 282343-0XX



Solenoid shown in energised position

General Specifications

Dielectric Strength:

1000 VRMS

Coil Resistance:

+/- 5% tolerance

Holding Force:

53.4 N @ 105° C

Weight: 63.8 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 86 x 86 x 3.2mm min

Typical Performance Details for 2E Series:

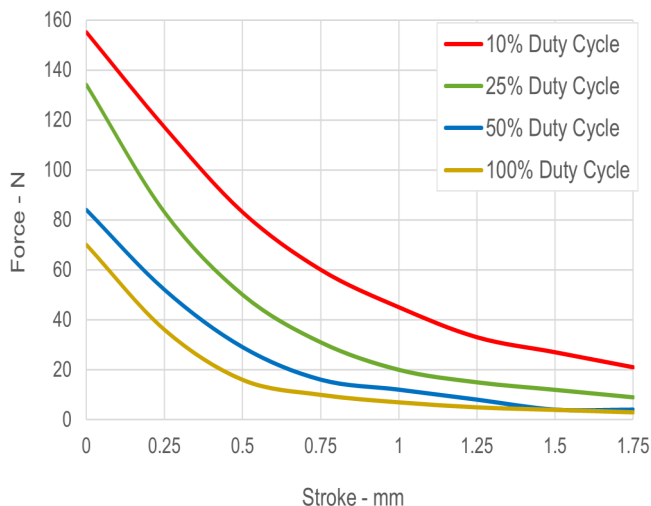
Up to 81 N force at 0.5 mm stroke

Under 3 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	7
Maximum ON Time (seconds) for single pulse	∞	162	44	8
Watts (@ 20° C)	7	14	28	70
Ampere Turns (@ 20° C)	425	602	849	1350

Coil Data

avg. (0XX)	Resistance (@ 20°C)	# Turns	Nominal DC Voltage			
24	0.68	130	2.2	3.2	4.5	7.1
25	1.16	174	2.8	4.0	5.6	9.0
26	1.96	231	3.6	5.1	7.2	11.5
27	3.16	296	4.5	6.4	9.0	14.4
28	5.10	378	5.7	8.1	11.5	18.2
29	6.94	423	7.0	9.9	13.9	22.0
30	11.03	530	8.8	12.5	17.7	28.0
31	16.85	649	11.0	15.6	22.0	35.0
32	28.15	858	13.9	19.8	28.0	44.0
33	42.75	1036	17.5	25.0	35.0	56.0

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

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