

Push - Pull Solenoid

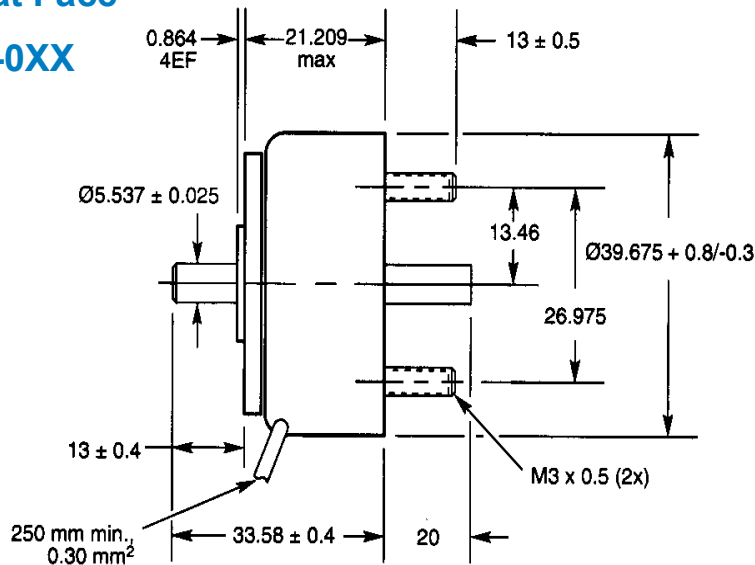
Linear - Size 4EFM



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Short Stroke, Flat Face

Part No: 282347-0XX



Solenoid shown in energised position

General Specifications

Dielectric Strength:

23-24 awg. 1000 VRMS
25-33 awg. 1200 VRMS

Coil Resistance:

+/- 5% tolerance

Holding Force:

164.6 N @ 105° C

Weight:

170 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 159x159x3.2mm min

Typical Performance

Details for 4E Series:

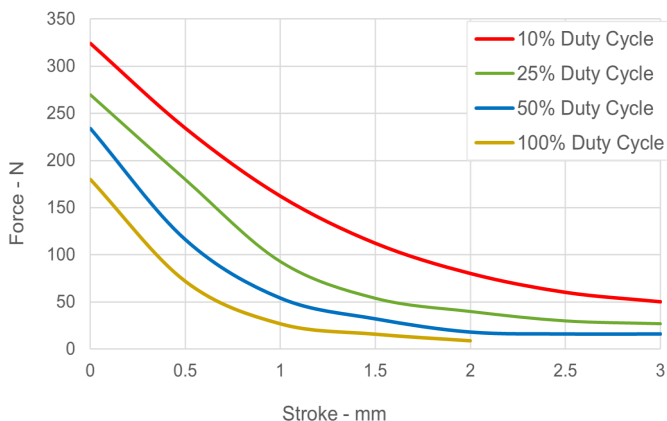
Up to 238 N force at 0.5 mm stroke

Under 6 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	9
Maximum ON Time (seconds) for single pulse	∞	162	44	10
Watts (@ 20° C)	12.5	25	50	125
Ampere Turns (@ 20° C)	714	1000	1425	2250

Coil Data

awg. (0XX)	Resistance (@ 20°C)	# Turns	Nominal DC Voltage			
23	1.59	266	4.3	6.0	8.5	13.4
24	2.20	301	5.2	7.3	10.4	16.4
25	3.54	384	6.6	9.2	13.1	21.0
26	5.67	486	8.3	11.7	16.6	26.0
27	8.76	600	10.4	14.6	21.0	33.0
28	13.80	748	13.2	18.5	26.0	42.0
29	22.60	975	16.6	23.0	33.0	52.0
30	34.80	1190	21.0	29.0	42.0	66.0
31	56.70	1520	27.0	37.0	53.0	84.0
32	88.30	1908	33.0	46.0	66.0	104.0
33	138.00	2360	42.0	59.0	83.0	132.0

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

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