

Push - Pull Solenoid

Linear - Size 7ECM

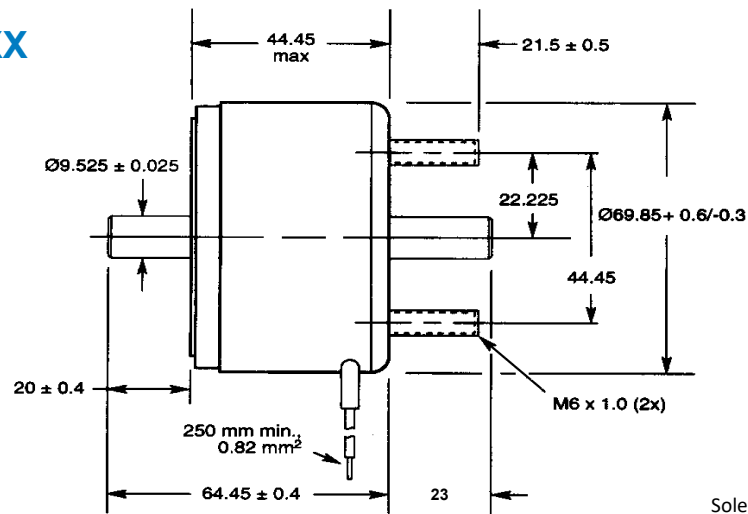


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Medium Stroke, Conical Face

Part No: 282354-0XX



Solenoid shown in energised position.

General Specifications

Dielectric Strength:

23-29 awg. 1200 VRMS
30-33 awg. 1500 VRMS

Coil Resistance:

23-30 awg. +/- 5% tolerance
31-33 awg +/- 10% tolerance

Holding Force:

845.1 N @ 105° C

Weight: 1134 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 384x384x3.2mm min

Typical Performance Details for 7E Series:

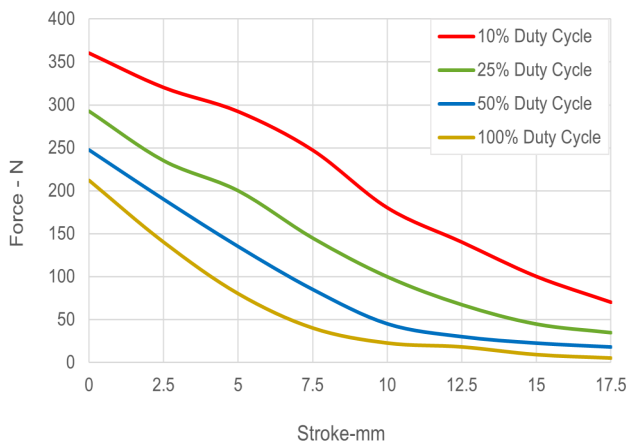
Up to 354 N force at 0.5 mm stroke

Under 10 milliseconds response time for 1mm 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	∞	80	38	16
Maximum ON Time (seconds) for single pulse	∞	138	50	18
Watts (@ 20° C)	35	70	140	350
Ampere Turns (@ 20° C)	1805	2555	3610	5710

Coil Data

awg. (0XX)	Resistance (@ 20°C)	# Turns	Nominal DC Voltage			
23	10.80	1044	19.0	27.0	39.0	61.0
24	16.50	1274	24.0	34.0	48.0	76.0
25	27.00	1635	31.0	43.0	61.0	97.0
26	43.80	2091	39.0	55.0	78.0	124.0
27	68.40	2603	49.0	69.0	98.0	155.0
28	108.00	3255	61.0	87.0	123.0	194.0
29	162.00	2933	75.0	106.0	151.0	238.0
30	265.00	5044	96.0	136.0	193.0	305.0
31	385.00	5800	116.0	164.0	232.0	367.0
32	583.00	7230	143.0	202.0	286.0	452.0
33	882.00	8400	176.0	248.0	351.0	600.0

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

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