

Push - Pull Solenoid

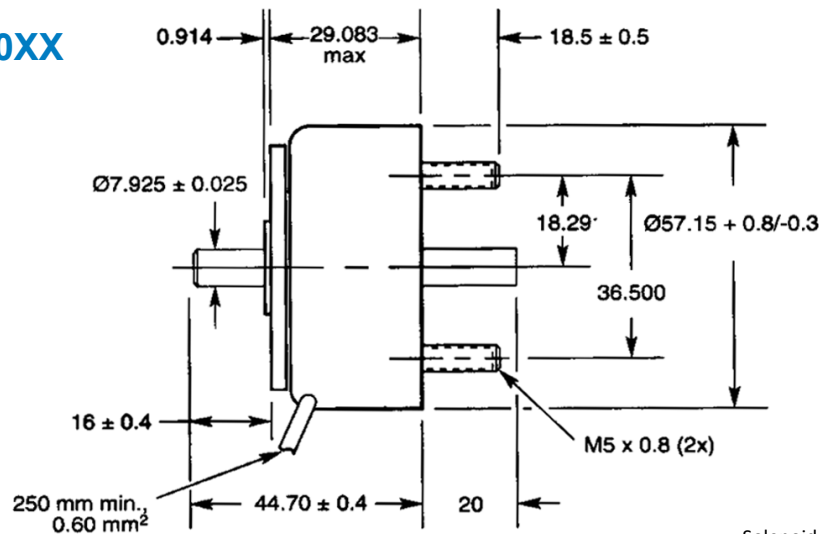
Linear - Size 6SFM



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Short Stroke, Flat Face

Part No: 282351-0XX



Solenoid shown in energised position.

General Specifications

Dielectric Strength:

23-31 awg. 1200 VRMS
32-33 awg. 1500 VRMS

Coil Resistance:

+/- 5% tolerance

Holding Force:

391.4 N @ 105° C

Weight: 510.3 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 314x314x3.2mm min

Typical Performance Details for 6S Series:

Up to 712 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

Coil Specifications

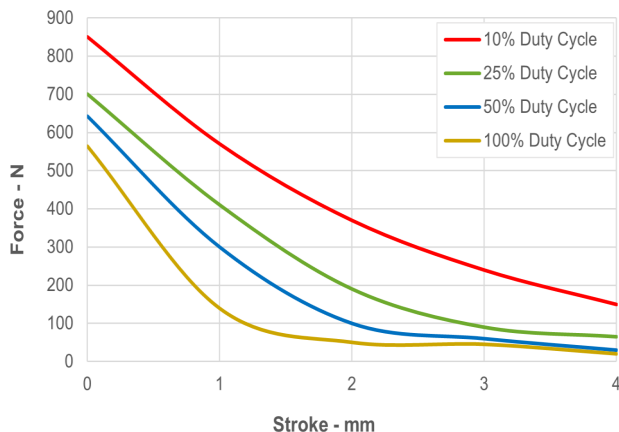
Maximum Duty Cycle	100%	50%	25%	10%
Maximum ON Time (seconds) when pulsed continuously	∞	87	36	13
Maximum ON Time (seconds) for single pulse	∞	140	44	16
Watts (@ 20° C)	32	64	128	320
Ampere Turns (@ 20° C)	1240	1760	2490	3920

Coil Data

avg. (0XX)	Resistance (@ 20°C)	# Turns	Nominal DC Voltage			
23	3.59	432	10.3	14.6	21.0	33.0
24	5.24	500	13.0	18.4	26.0	41.0
25	9.51	708	16.7	24.0	33.0	53.0
26	14.44	858	21.0	30.0	42.0	66.0
27	23.69	1110	27.0	38.0	53.0	84.0
28	38.27	1411	34.0	48.0	68.0	106.0
29	54.62	1638	41.0	59.0	83.0	131.0
30	93.67	2184	53.0	76.0	107.0	168.0
31	143.00	2645	67.0	95.0	134.0	211.0
32	223.00	3328	83.0	118.0	167.0	262.0
33	338.00	4004	105.0	149.0	210.0	331.0

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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