

Push - Pull Solenoid

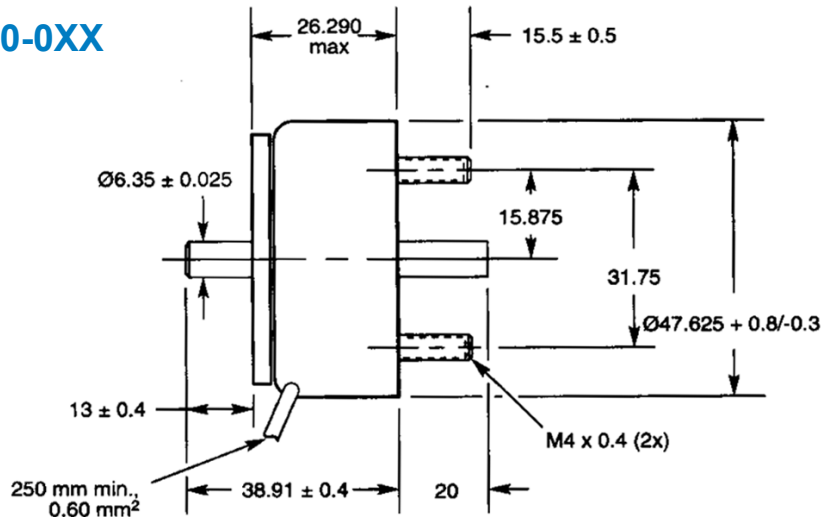
Linear - Size 5ECM



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Medium Stroke, Conical Face

Part No: 282350-0XX



Solenoid shown in energised position

General Specifications

Dielectric Strength:

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

Coil Resistance:

+/- 5% tolerance

Holding Force:

120.1 N @ 105° C

Weight: 326 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 5E Series:

Up to 180 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

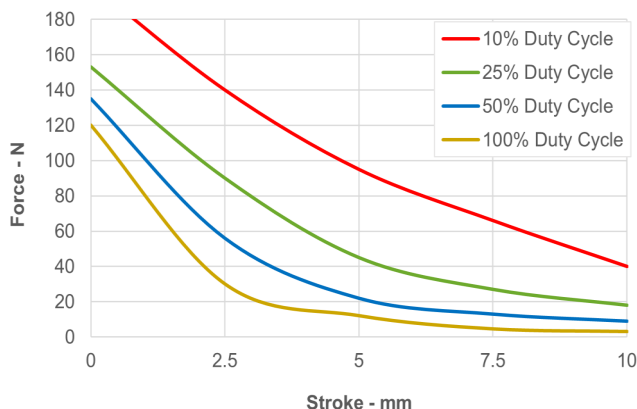
Maximum Duty Cycle	100%	50%	25%	10%
Maximum ON Time (seconds) when pulsed continuously	∞	100	36	10
Maximum ON Time (seconds) for single pulse	∞	160	44	13
Watts (@ 20° C)	21	42	84	210
Ampere Turns (@ 20° C)	1015	1440	2030	3210

Coil Data

awg. (0XX)	Resistance (@ 20° C)	# Turns	Nominal DC Voltage			
23	2.70	384	7.2	10.1	14.3	23.0
24	4.30	486	9.0	12.7	18.0	28.0
25	6.66	590	11.5	16.2	23.0	36.0
26	10.30	737	14.0	20.0	28.0	44.0
27	15.70	900	17.7	25.0	35.0	56.0
28	26.60	1190	23.0	32.0	45.0	72.0
29	38.00	1380	28.0	40.0	56.0	89.0
30	62.10	1768	36.0	51.0	71.0	113.0
31	96.10	2166	45.0	64.0	90.0	143.0
32	157.00	2816	57.0	80.0	113.0	179.0
33	241.00	3432	71.0	101.0	143.0	226.0

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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