

Push - Pull Solenoid

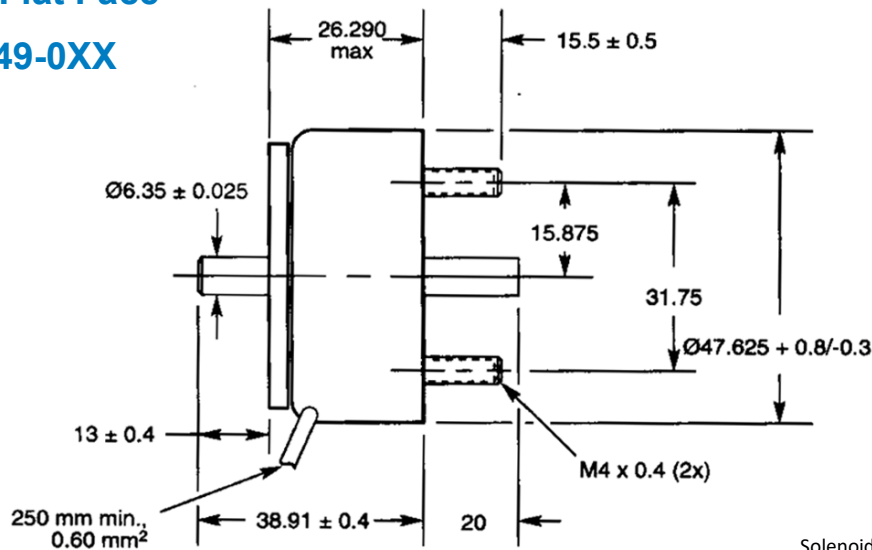
Linear - Size 5SFM



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Short Stroke, Flat Face

Part No: 282349-0XX



Solenoid shown in energised position

General Specifications

Dielectric Strength:

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

Coil Resistance:

+/- 5% tolerance

Holding Force:

258 N @ 105° C

Weight: 255 g

Typical Performance Details for 5S Series:

Up to 430 N force at 0.5 mm stroke

Under 4 milliseconds response time for 1 mm stroke under no load conditions.

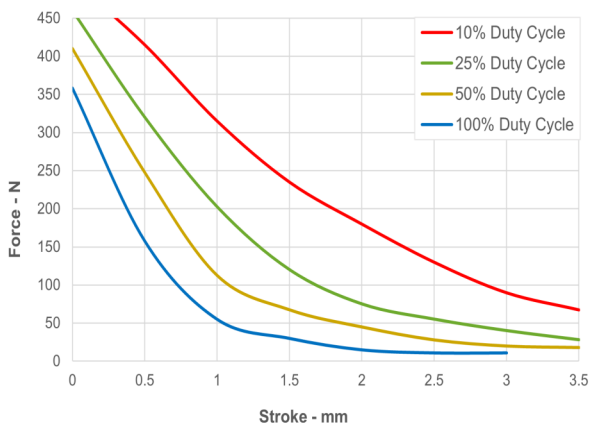
Recommended Heat Sink:

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 191x191x3.2mm min

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	10
Maximum ON Time (seconds) for single pulse	∞	160	44	13
Watts (@ 20° C)	21	42	84	210
Ampere Turns (@ 20° C)	860	1220	1720	2730

Coil Data

awg. (0XX)	Resistance (@ 20°C)	# Turns	Nominal DC Voltage			
23	2.03	288	6.1	8.6	12.1	19.2
24	3.20	360	7.6	10.8	15.3	24.0
25	4.91	440	9.6	13.6	19.2	31.0
26	7.72	550	12.1	17.1	24.0	38.0
27	11.12	636	15.0	21.0	30.0	48.0
28	18.79	840	19.2	27.0	39.0	61.0
29	30.48	1088	24.0	34.0	48.0	77.0
30	44.86	1275	30.0	43.0	61.0	96.0
31	70.90	1596	38.0	54.0	76.0	121.0
32	109.00	1974	47.0	67.0	95.0	150.0
33	175.00	2496	60.0	86.0	121.0	192.0

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

NSF Controls Ltd | Ingrow Bridge Works | Keighley | West Yorkshire | BD21 5EF | UK | E:info@nsfcontrols.co.uk | T: +44(0)1535 661144