

Push and Pull Linear

General:

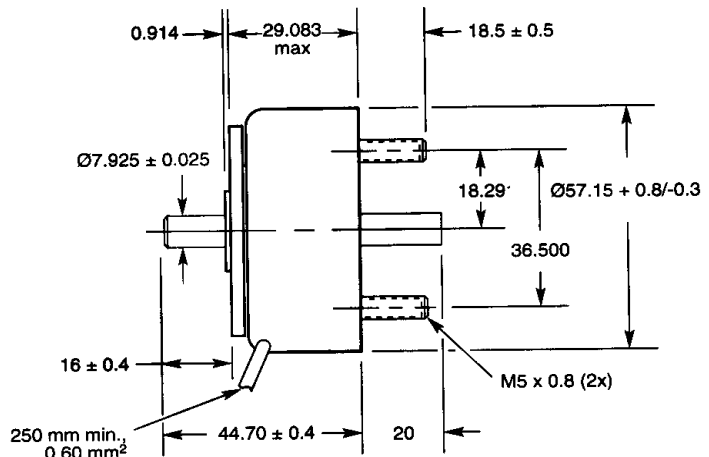
Short Stroke, Flat Face

Part number: 282351-0XX

Low profile Linear solenoids offer a compact and efficient package for short stroke, high force applications.

Typical performance details for the 6S series are:

- 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.
- Pull or push design.



Solenoid shown in energised position.

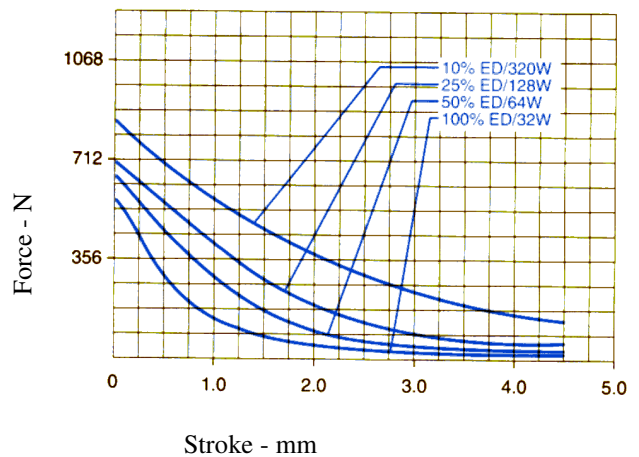
Specifications:

- **Dielectric Strength:** 23-31 awg. 1200 VRMS / 32-33 awg. 1500 VRMS.
- **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.
- **Coil Resistance:** 23-33 awg. +/- 5% tolerance
- **Weight:** 510.3 g
- **Holding Force:** 391.4N @ 105° C

Coil Specifications						
Maximum Duty Cycle	100%	50%	25%	10%		
Maximum ON Time (seconds) When pulsed continuously ¹	∞	87	36	13		
Maximum ON Time (seconds) for single pulse ²	∞	140	44	16		
Watts (@20° C)	32	64	128	320		
Ampere Turns (@ 20° C)	1240	1760	2490	3920		
Coil Data						
awg. (0xx) ³	Resistance (@ 20° C)	# Turns ⁴	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:

Typical Force @ 20° C



Notes:

1. Continuously pulsed at stated watts and duty cycle.
2. Single pulsed at stated watts (with coil at ambient room temperature 20° C).
3. Other coil gauges available, consult factory.
4. Reference number of turns.
5. Anti rotational mounting bushes available on request.

How to Order:

Add the coil awg number to the part number alternatively please specify; the Voltage, Duty cycle, Starting Force, Stroke required and any special requirements.