

Push and Pull Linear

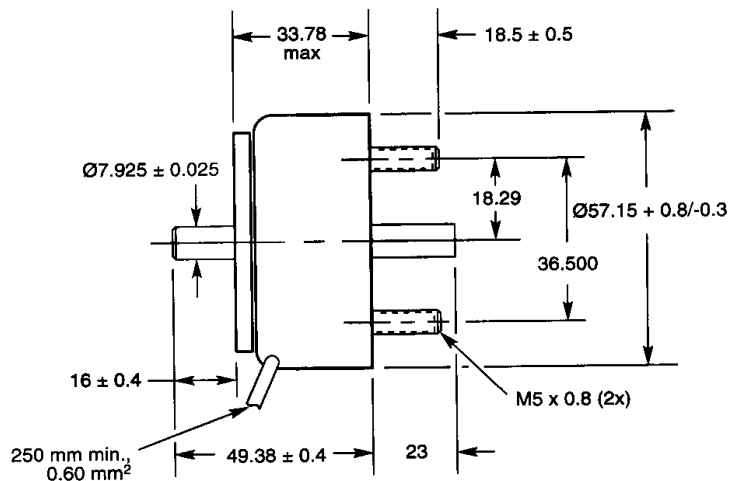
General:

Medium Stroke, Conical Face
Part number: 282352-0XX

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

Typical performance details for the 6E series are:

- Up to 318 N force at 0.5 mm stroke.
- Under 8 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.



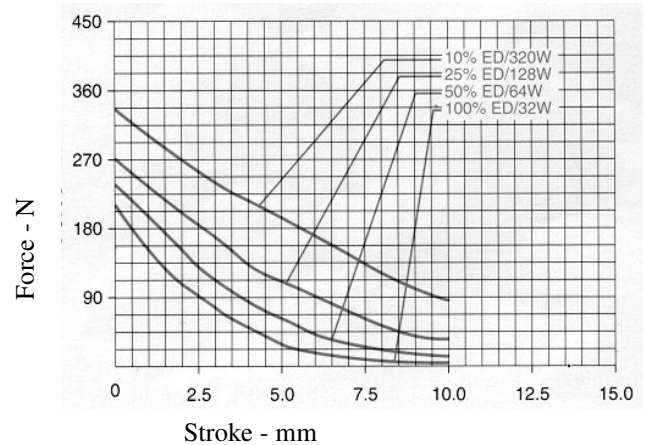
Specifications:

- **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:** 609.5 g
- **Holding Force:** 218.0 N @ 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)	1480	2080	2940	4620		
Coil Data						
awg. (0xx)3	Resistance (@ 20° C)	# Turns 4	Nominal DC Voltage			
23	4.69	567	12.3	17.2	24.0	38.0
24	7.43	710	15.5	22.0	31.0	48.0
25	12.90	960	19.9	28.0	39.0	62.0
26	19.70	1170	25.0	35.0	49.0	78.0
27	32.00	1500	32.0	44.0	63.0	99.0
28	51.60	1904	40.0	56.0	79.0	125.0
29	74.40	2232	49.0	69.0	98.0	154.0
30	126.00	2940	63.0	89.0	126.0	198.0
31	195.00	3611	80.0	112.0	159.0	250.0
32	288.00	4350	98.0	138.0	195.0	306.0
33	427.00	5010	126.0	177.0	251.0	394.0

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.