

Push and Pull Linear

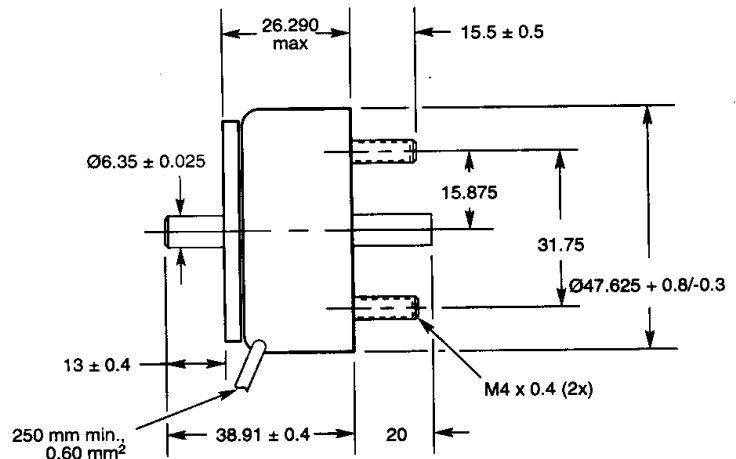
General:

Medium Stroke, Conical Face
Part number: 282350-0XX

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

Typical performance details for the 5E series are:

- 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.
- Pull or push design.



Solenoid shown in energised position.

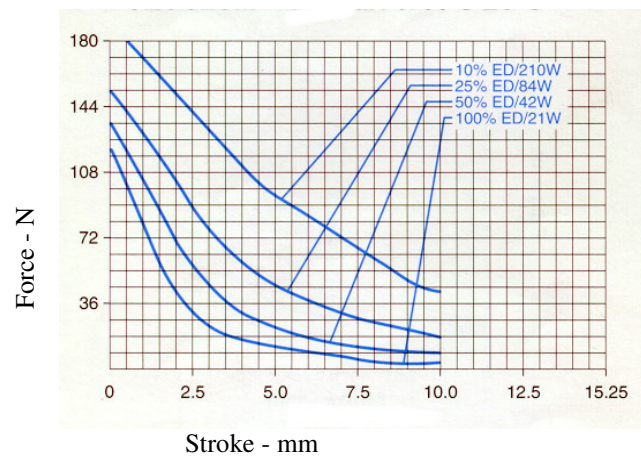
Specifications:

- **Dielectric Strength:** 23 awg. 1000 VRMS / 24-33 awg. 1200 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 118x118x3.2mm min.
- **Coil Resistance:** 23-33 awg. +/- 5% tolerance
- **Weight:** 326 g
- **Holding Force:** 120.1N @ 105° C

Coil Specifications				
Maximum Duty Cycle	100%	50%	25%	10%
Maximum ON Time (seconds) When pulsed continuously 1	∞	100	36	10
Maximum ON Time (seconds) for single pulse 2	∞	160	44	13
Watts (@20° C)	21	42	84	210
Ampere Turns (@ 20° C)	1015	1440	2030	3210
Coil Data				
avg. (0xx)3	Resistance (@ 20°C)	# Turns 4	Nominal DC Voltage	
23	2.70	384	7.2	10.1
24	4.30	486	9.0	12.7
25	6.66	590	11.5	16.2
26	10.30	737	14.0	20.0
27	15.70	900	17.7	25.0
28	26.60	1190	23.0	32.0
29	38.00	1380	28.0	40.0
30	62.10	1768	36.0	51.0
31	96.10	2166	45.0	64.0
32	157.00	2816	57.0	80.0
33	241.00	3432	71.0	101.0

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.