

Size 7ECM Low Profile Solenoid



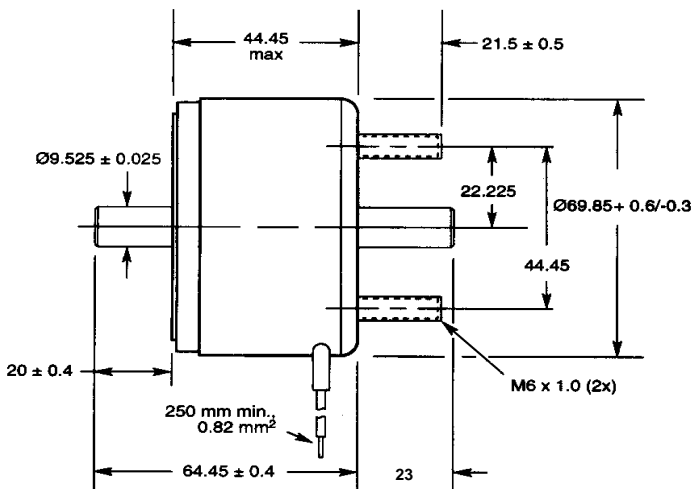
Push and Pull Linear

Medium Stroke, Conical Face

Part No: 282354-0XX

- **Dielectric Strength:** 23-29 awg. 1200 VRMS / 30-33 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 384x384x3.2mm min

Solenoid shown in energised position



General Specifications:

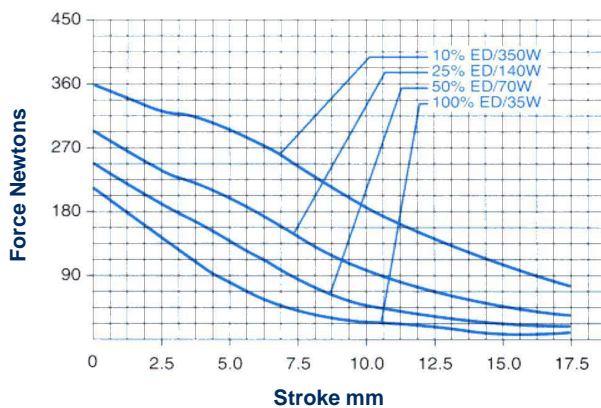
- **Coil Resistance:** 23-30 awg. +/- 5% tolerance / 31-33 awg. +/- 10% tolerance
- **Holding Force:** 845.1 N @ 105° C
- **Weight:** 1134 Kg
- **Typical Performance Details for 7E Series:**
 - Up to 354 N force at 0.5 mm stroke
 - Under 10 milliseconds response time for 1mm stroke under no load conditions
 - Conical pole face allows increased stroke with minimal reduction in performance
 - Pull or push design

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

Performance Specification

Typical Starting Force @ 20°C



How to Order

Add the coil awg. number to the part number, alternatively please specify:

- Voltage
- Duty Cycle
- Starting Force
- Stroke Required
- Any Special Requirements

Coil Specifications

Maximum Duty Cycle	100%	50%	25%	10%
Maximum ON Time (seconds) When pulsed continuously (1)	∞	80	38	16
Maximum ON Time (seconds) for single pulse (2)	∞	138	50	18
Watts (@ 20° C)	35	70	140	350
Ampere Turns (@ 20° C)	1805	2555	3610	5710

Coil Data

awg. (0XX) (3)	Resistance (@ 20°C)	# Turns (4)	Nominal DC Voltage			
23	10.80	1044	19.0	27.0	39.0	61.0
24	16.50	1274	24.0	34.0	48.0	76.0
25	27.00	1635	31.0	43.0	61.0	97.0
26	43.80	2091	39.0	55.0	78.0	124.0
27	68.40	2603	49.0	69.0	98.0	155.0
28	108.00	3255	61.0	87.0	123.0	194.0
29	162.00	2933	75.0	106.0	151.0	238.0
30	265.00	5044	96.0	136.0	193.0	305.0
31	385.00	5800	116.0	164.0	232.0	367.0
32	583.00	7230	143.0	202.0	286.0	452.0
33	882.00	8400	176.0	248.0	351.0	600.0

Please Note: In line with continued development we reserve the right to amend specification without prior notice (Rev 01/12)

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