

# Push – Pull Solenoid

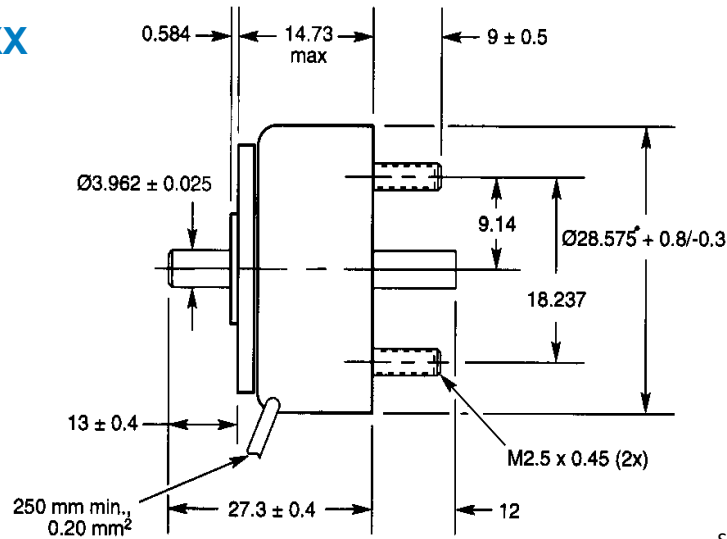
## Linear - Size 2ECM



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### Medium Stroke, Conical Face

Part No: 282344-0XX



Solenoid shown in energised position

### General Specifications

**Dielectric Strength:**  
1000 VRMS

**Coil Resistance:**  
+/- 5% tolerance

**Holding Force:**  
25.4 N @ 105° C

**Weight:** 63.8 g

**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 86 x 86 x 3.2mm min

### Typical Performance Details for 2E Series:

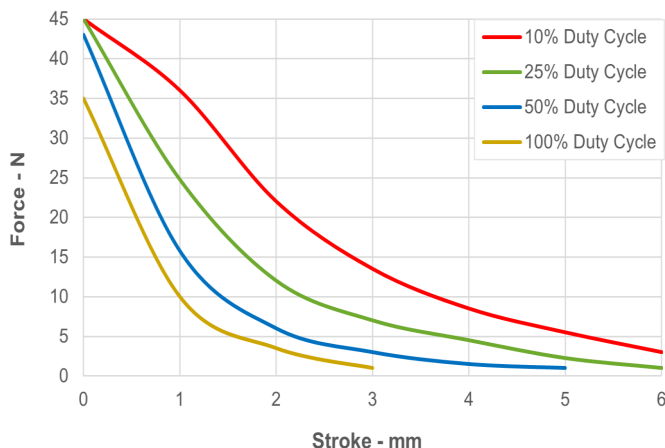
Up to 45 N force at 0.5 mm stroke

Under 3 milliseconds response time for 1 mm stroke under no load conditions

Conical pole face allows increased stroke with minimal reduction in performance

### Performance Specification

#### Typical Starting Force @ 20°C



### Coil Specifications

Maximum Duty Cycle	100%	50%	25%	10%
Maximum ON Time (seconds) when pulsed continuously	∞	100	36	7
Maximum ON Time (seconds) for single pulse	∞	162	44	8
Watts (@ 20° C)	7	14	28	70
Ampere Turns (@ 20° C)	425	602	849	1350

#### Coil Data

avg. (0XX)	Resistance (@ 20°C)	# Turns	Nominal DC Voltage			
24	0.68	130	2.2	3.2	4.5	7.1
25	1.16	174	2.8	4.0	5.6	9.0
26	1.96	231	3.6	5.1	7.2	11.5
27	3.16	296	4.5	6.4	9.0	14.4
28	5.10	378	5.7	8.1	11.5	18.2
29	6.94	423	7.0	9.9	13.9	22.0
30	11.03	530	8.8	12.5	17.7	28.0
31	16.85	649	11.0	15.6	22.0	35.0
32	28.15	858	13.9	19.8	28.0	44.0
33	42.75	1036	17.5	25.0	35.0	56.0