

# Push - Pull Solenoid

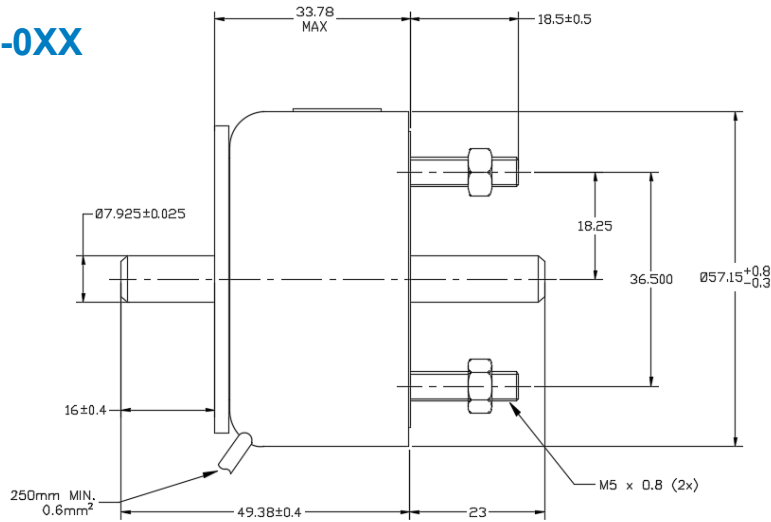
## Linear - Size 6ECM



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Medium Stroke, Conical Face

Part No: 282352-0XX



Solenoid shown in energised position

### General Specifications

**Dielectric Strength:**

23-31 awg. 1200 VRMS  
32-33 awg. 1500 VRMS

**Coil Resistance:**

+/- 5% tolerance

**Holding Force:**

218.0 N @ 105° C

**Weight:** 609.5 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 314x314x3.2mm min

**Typical Performance Details for 6E Series:**

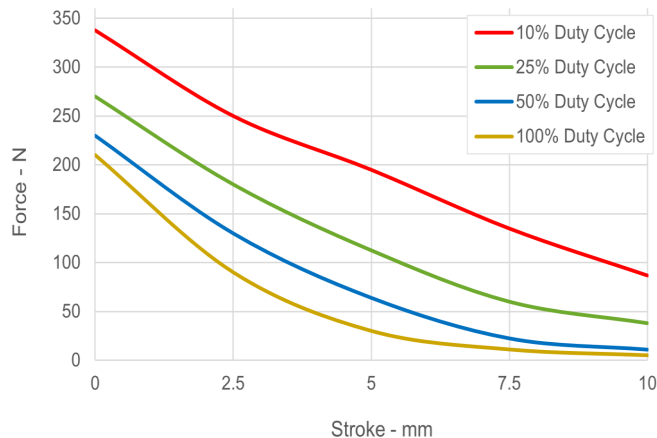
Up to 318 N force at 0.5 mm stroke

Under 8 milliseconds response time for 1 mm stroke under no load conditions

Conical pole face allows increased stroke with minimal reduction in performance

### Performance Specifications

**Typical Starting Force @ 20°C**



### Coil Specifications

Maximum Duty Cycle	100%	50%	25%	10%
Maximum ON Time (seconds) when pulsed continuously	∞	87	36	13
Maximum ON Time (seconds) for single pulse	∞	140	44	16
Watts (@ 20° C)	32	64	128	320
Ampere Turns (@ 20° C)	1480	2080	2940	4620

**Coil Data**

avg. (0XX)	Resistance (@ 20°C)	# Turns	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