

Size 5SFM Low Profile Solenoid

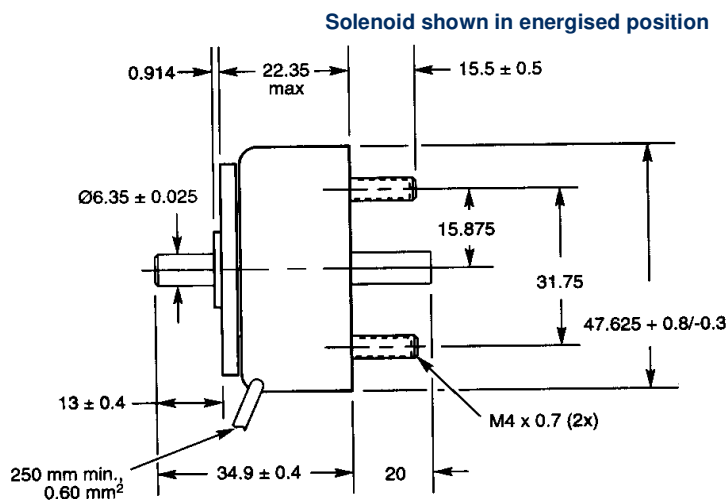


Push and Pull Linear

Short Stroke, Flat Face

Part No: 282349-0XX

- **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 191x191x3.2mm min



General Specifications:

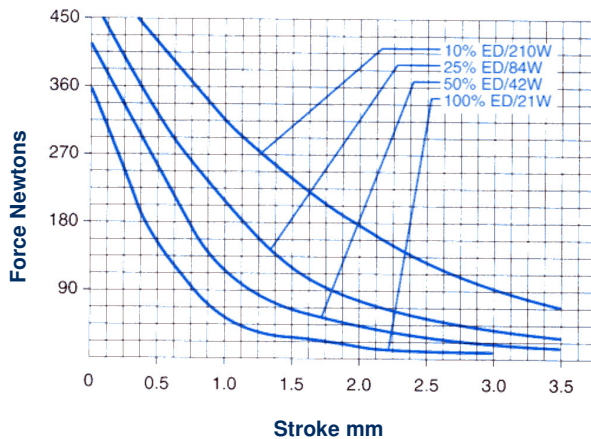
- **Coil Resistance:** 23-33 awg. +/- 5% tolerance
- **Holding Force:** 258 N @ 105°C
- **Weight:** 255 g
- **Typical Performance Details for 5S Series:**
 - Up to 430 N force at 0.5 mm stroke
 - Under 4 milliseconds response time for 1 mm stroke under no load conditions
 - Conical pole face allows increased stroke with minimal reduction in performance
 - Pull or push design

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)	∞	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)	860	1220	1720	2730		
Coil Data						
awg. (0XX) (3)	Resistance (@ 20°C)	# Turns (4)	Nominal DC Voltage			
23	2.03	288	6.1	8.6	12.1	19.2
24	3.20	360	7.6	10.8	15.3	24.0
25	4.91	440	9.6	13.6	19.2	31.0
26	7.72	550	12.1	17.1	24.0	38.0
27	11.12	636	15.0	21.0	30.0	48.0
28	18.79	840	19.2	27.0	39.0	61.0
29	30.48	1088	24.0	34.0	48.0	77.0
30	44.86	1275	30.0	43.0	61.0	96.0
31	70.90	1596	38.0	54.0	76.0	121.0
32	109.00	1974	47.0	67.0	95.0	150.0
33	175.00	2496	60.0	86.0	121.0	192.0

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

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