

Size 2EFM Low Profile Solenoid



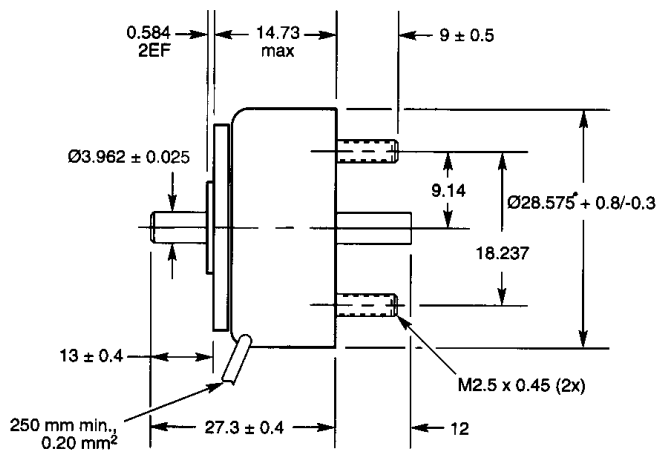
Push and Pull Linear

Short Stroke, Flat Face

Part No: 282343-0XX

- **Dielectric Strength:** 1000 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 86 x 86 x 3.2mm min

Solenoid shown in energised position



General Specifications:

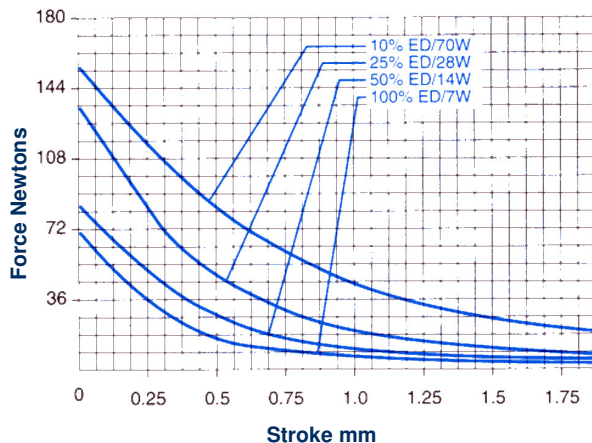
- **Coil Resistance:** +/- 5% tolerance
- **Holding Force:** 53.4 N @ 105°C
- **Weight:** 63.8 g
- **Typical Performance Details for 2E Series:**
 - Up to 81 N force at 0.5 mm stroke
 - Under 3 milliseconds response time for 1 mm stroke under no load conditions
 - Conical pole face allows increased stroke with minimal reduction in performance
 - 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 avg. 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	7
Maximum ON Time (seconds) for single pulse (2)	∞	162	44	8
Watts (@20°C)	7	14	28	70
Ampere Turns (@ 20°C)	425	602	849	1350

Coil Data

avg. (0XX) (3)	Resistance (@ 20°C)	# Turns (4)	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

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

NSF Controls Ltd | Ingrow Bridge Works | Keighley | West Yorkshire | BD21 5EF | UK | Registered in England No. 3378269

T: +44 (0) 1535 661 144 | F: +44 (0) 1535 661 474 | E: info@nsfcontrols.co.uk | www.nsfcontrols.co.uk