

Ledex® Low Profile Size 2EFM/2ECM — Push or Pull

Size 2EFM Short Stroke, Flat Face

Part Number: 282343-0XX

Size 2ECM Medium Stroke, Conical Face

Part Number: 282344-0XX

All catalogue products manufactured after April 1, 2006 are RoHS Compliant

Performance

Maximum Duty Cycle	100%	50%	25%	10%
Maximum ON Time (sec) when pulsed continuously ¹	∞	100	36	7
Maximum ON Time (sec) for single pulse ²	∞	162	44	8
Watts (@ 20°C)	7	14	28	70
Ampere Turns (@ 20°C)	425	602	849	1350

Coil Data

awg (0XX) ³	Resistance (@20°C)	# Turns ⁴	VDC (Nom)	VDC (Nom)	VDC (Nom)	VDC (Nom)
24	0.68	130	2.2	3.2	4.5	7.1
25	1.16	174	2.8	4.0	5.7	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

- ¹ Continuously pulsed at stated watts and duty cycle
- ² Single pulse at stated watts (with coil at ambient room temperature 20°C)
- ³ Other coil awg sizes available — please consult factory
- ⁴ Reference number of turns

● Well-suited for battery operation. See the "Battery Operated Solenoids" section for complete information.



Specifications

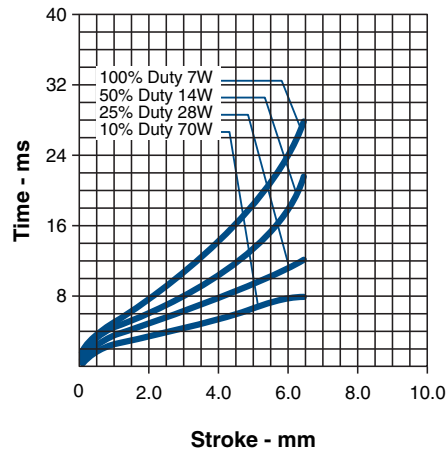
Dielectric Strength	1000 VRMS
Recommended Minimum Heat Sink	Maximum watts dissipated by solenoid are based on an unrestricted flow of air at 20°C, with solenoid mounted on the equivalent of an aluminium plate measuring 86 mm square by 3.2 mm thick
Coil Resistance	24-33 awg, ±5%
Weight	63.8 g
Holding Force 2EF	53.4 N @ 105°C
Holding Force 2EC	25.4 N @ 105°C
Dimensions	See page G16

How to Order

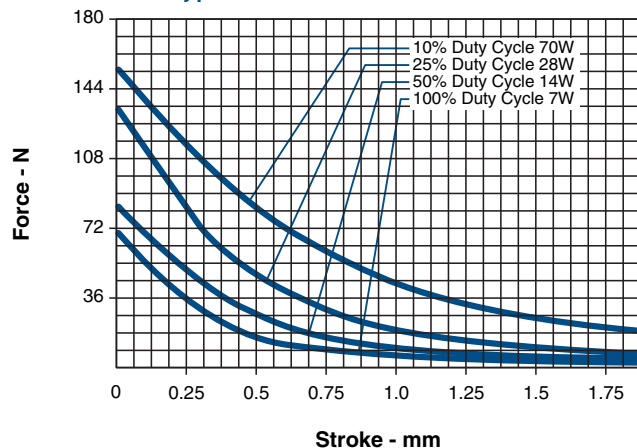
Add the coil awg number (0XX) to the part number (for example: to order a 25% duty cycle unit rated at 9.0 VDC, specify 282343-027).

Please see www.ledex.com (click on Stock Products tab) for our list of stock products available through our distributors.

Size 2EFM and 2ECM — Typical Speed @ No Load, 20°C

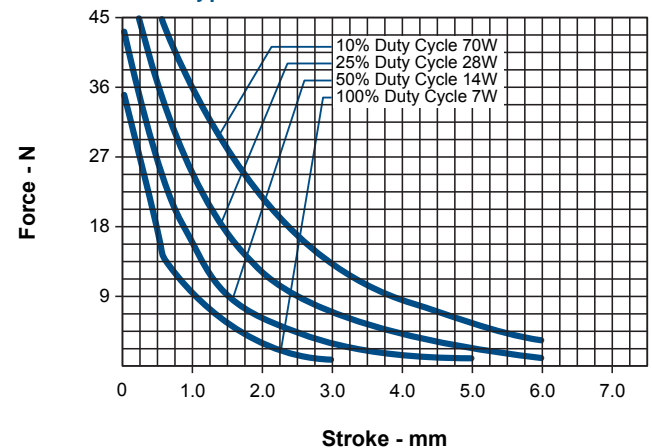


Size 2EFM — Typical Force @ 20°C



Force values for reference only.

Size 2ECM — Typical Force @ 20°C



All specifications subject to change without notice.

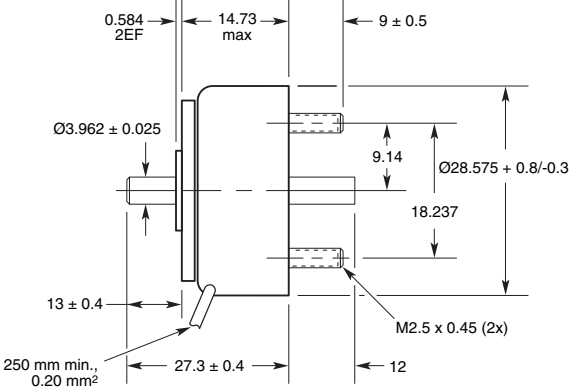
LINEAR Low Profile

Ledex® Low Profile Dimensions

mm

All solenoids are illustrated in energised state

Size 2EF/2EC



LINEAR Low Profile

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