

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
Recommended
Minimum Heat Sink

1000 VRMS

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

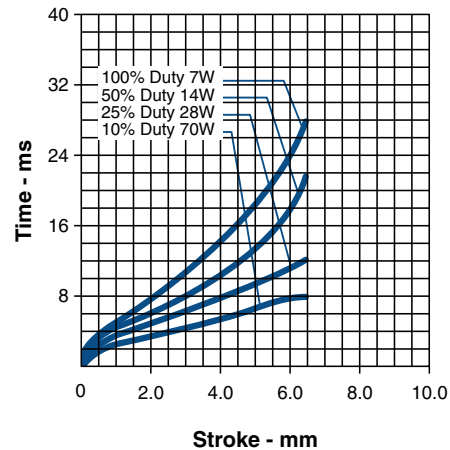
See page G16

How to Order

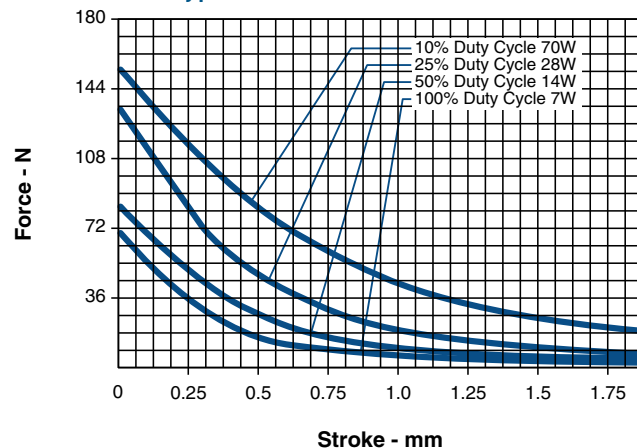
Add the coil awg number (0XX) to the part number (for example: to order a 25% duty cycle unit rated at 9.0 VDC, specify 282343-027).

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

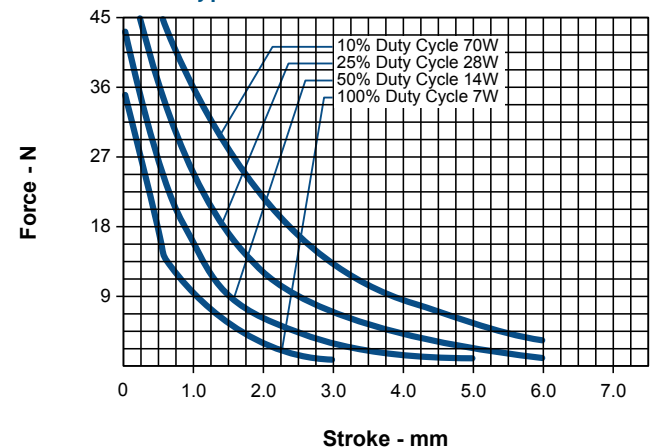
Size 2EFM and 2ECM — Typical Speed @ No Load, 20°C



Size 2EFM — Typical Force @ 20°C



Size 2ECM — Typical Force @ 20°C



Force values for reference only.

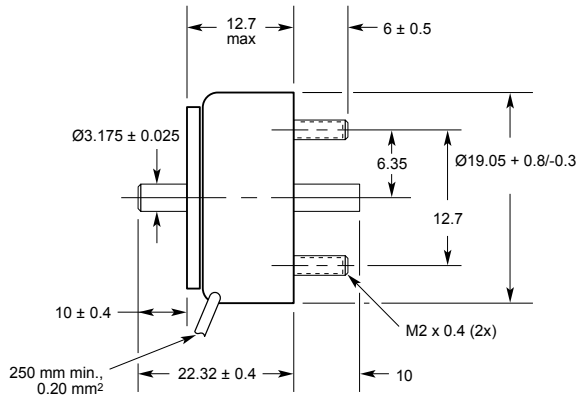
All specifications subject to change without notice.

Ledex® Low Profile Dimensions

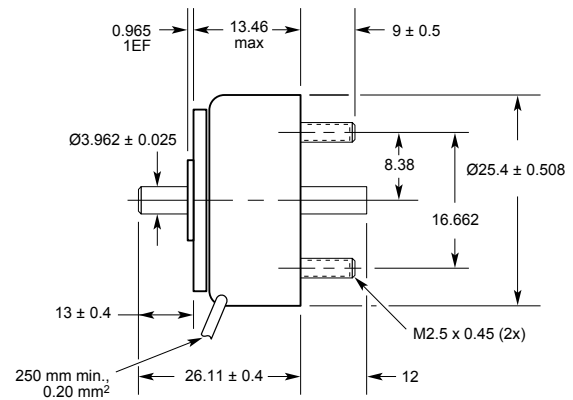
mm

All solenoids are illustrated in energised state

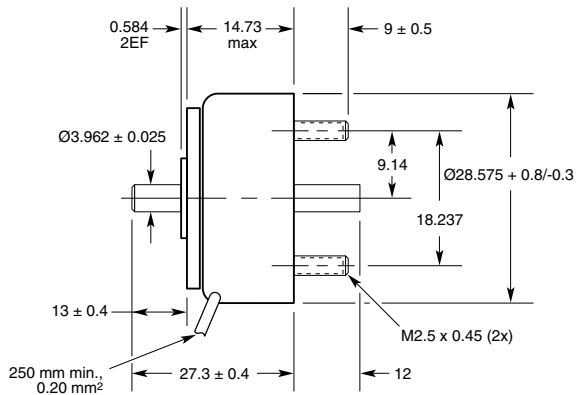
Size 0ECM



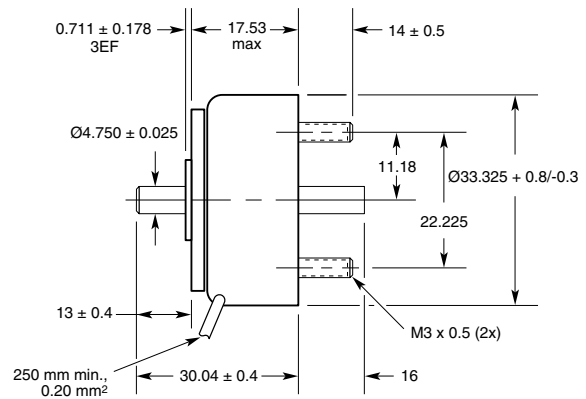
Size 1ECM



Size 2EFM/2ECM



Size 3EFM/3ECM



LINEAR Low Profile

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