

Ledex® Low Profile Size 1ECM — Push or Pull

Medium Stroke, Conical Face
Part Number: 282342-0XX

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)	5	10	20	50		
Ampere Turns (@ 20°C)	340	480	680	1075		
Coil Data						
avg (0XX) ³	Resistance (@20°C)	# Turns ⁴	VDC (Nom)	VDC (Nom)	VDC (Nom)	VDC (Nom)
25	0.83	140	2.1	2.9	4.1	6.5
26	1.38	186	2.6	3.7	5.2	8.2
27	1.91	210	3.2	4.5	6.3	10.1
28	3.17	273	4.1	5.7	8.1	12.8
29	5.17	352	5.1	7.2	10.2	16.2
30	8.25	441	6.5	9.2	13.0	21.0
31	12.95	550	8.2	11.6	16.4	26.0
32	20.71	682	10.6	14.9	21.0	34.0
33	30.60	828	12.7	18.2	26.0	41.0
34	50.95	1078	16.5	23.0	33.0	52.0
35	83.92	1392	21.0	30.0	42.0	67.0
36	112.00	1500	26.0	37.0	52.0	83.0

- 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 avg sizes available — please consult factory
- ⁴ Reference number of turns


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 76 mm square by 3.2 mm thick
Coil Resistance	25-35 awg, ±5%; 36 awg, ±10%
Weight	42.5 g
Holding Force	24.0 N @ 105°C
Dimensions	See page G16

How to Order

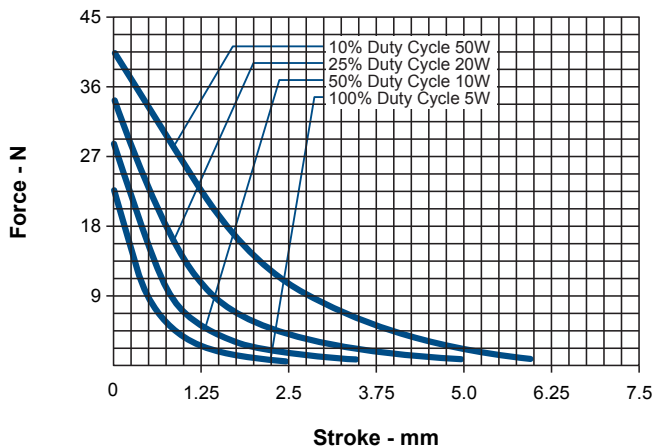
Add the coil awg number (0XX) to the part number (for example: to order a 25% duty cycle unit rated at 6.3 VDC, specify 282342-027).
Please see www.ledex.com (click on Stock Products tab) for our list of stock products available through our distributors.

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



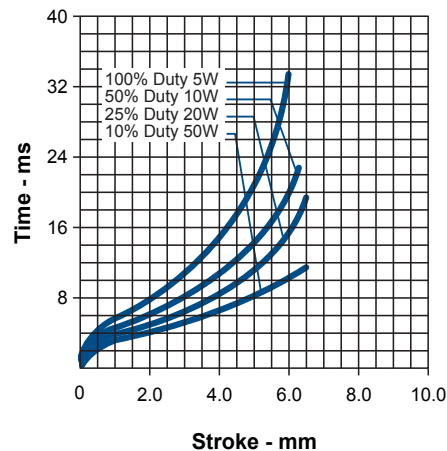
LINEAR Low Profile

Size 1ECM — Typical Force @ 20°C



Force values for reference only.

Size 1ECM— Typical Speed @ No Load, 20°C



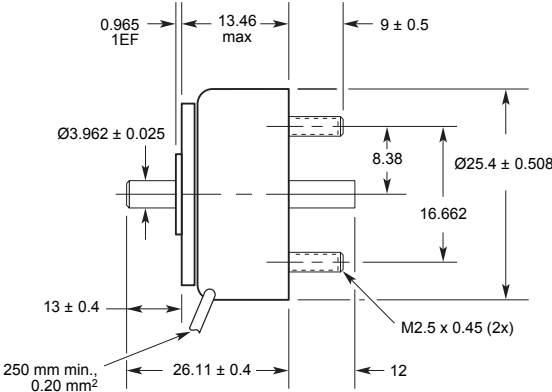
All specifications subject to change without notice.

Ledex® Low Profile Dimensions

mm

All solenoids are illustrated in energised state

Size 1EC



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