

Ledex® Low Profile Size 4EFM/4ECM — Push or Pull

Size 4EFM Short Stroke, Flat Face

Part Number: 282347-0XX

Size 4ECM Medium Stroke, Conical Face

Part Number: 282348-0XX

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	9
Maximum ON Time (sec) for single pulse ²	∞	162	44	10
Watts (@ 20°C)	12.5	25	50	125
Ampere Turns (@ 20°C)	714	1000	1425	2250

Coil Data

awg (0XX) ³	Resistance (@20°C)	# Turns ⁴	VDC (Nom)	VDC (Nom)	VDC (Nom)	VDC (Nom)
23	1.59	266	4.3	6.0	8.5	13.4
24	2.20	301	5.2	7.3	10.4	16.4
25	3.54	384	6.6	9.2	13.1	21.0
26	5.67	486	8.3	11.7	16.6	26.0
27	8.76	600	10.4	14.6	21.0	33.0
28	13.80	748	13.2	18.5	26.0	42.0
29	22.60	975	16.6	23.0	33.0	52.0
30	34.80	1190	21.0	29.0	42.0	66.0
31	56.70	1520	27.0	37.0	53.0	84.0
32	88.30	1908	33.0	46.0	66.0	104.0
33	138.00	2360	42.0	59.0	83.0	132.0

- 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

Specifications

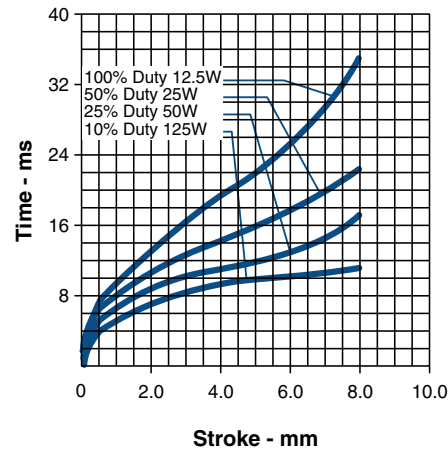
Dielectric Strength	23-24 awg, 1000 VRMS ; 25-33 awg, 1200 VRMS
Recommended Minimum Heat Sink	Maximum watts dissipated by solenoid are based on an unrestricted flow of air at 20°C, with solenoid mounted on the equivalent of an aluminium plate measuring 159 mm square by 3.2 mm thick
Coil Resistance	23-33 awg, ±5%
Weight	170 g
Holding Force 4EF	164.6 N @ 105°C
Holding Force 4EC	71.2 N @ 105°C
Dimensions	See page G17

How to Order

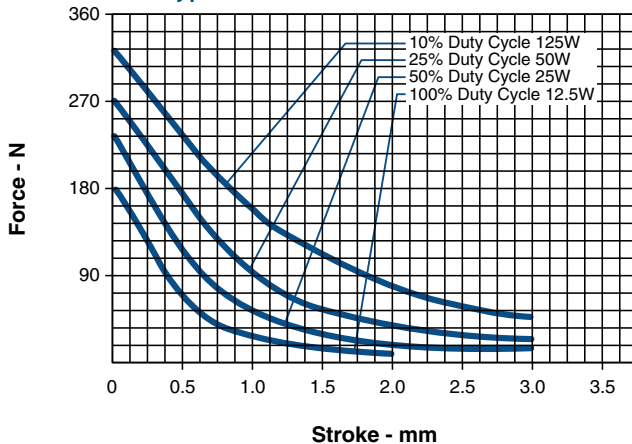
Add the coil awg number (0XX) to the part number (for example: to order a 25% duty cycle unit rated at 21 VDC, specify 282347-027).

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

Size 4EFM and 4ECM—Typical Speed @ No Load, 20°C

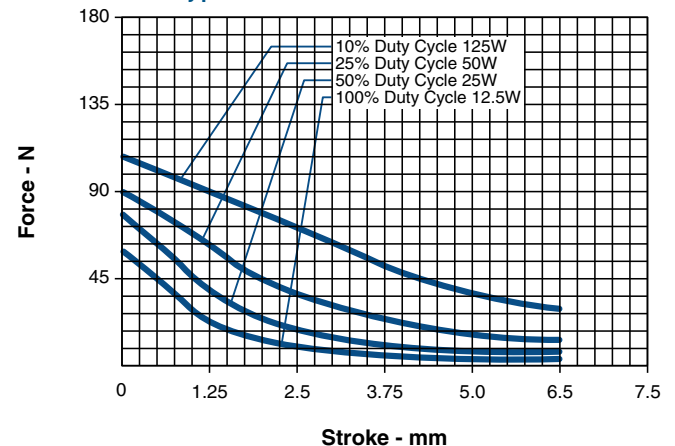


Size 4EFM— Typical Force @ 20°C



Force values for reference only.

Size 4ECM— Typical Force @ 20°C



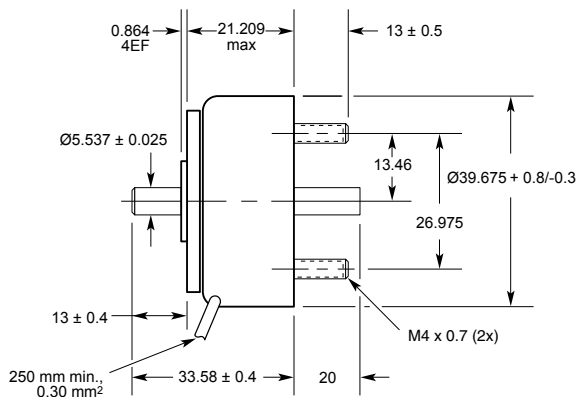
All specifications subject to change without notice.

Ledex® Low Profile Dimensions

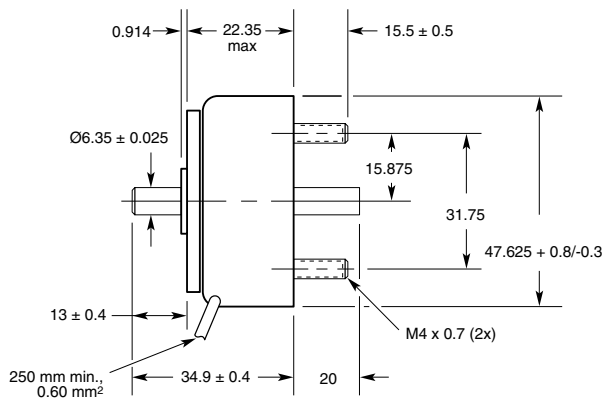
mm

All solenoids are illustrated in energised state

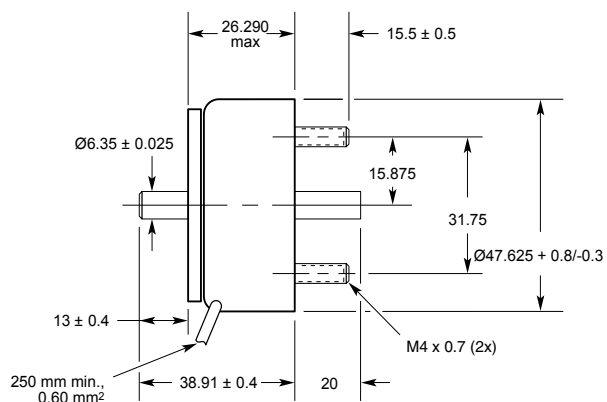
Size 4EFM/4ECM



Size 5SFM



Size 5ECM



LINEAR Low Profile

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