

# Ledex® Low Profile Size 3EFM/3ECM — Push or Pull

## Size 3EFM Short Stroke, Flat Face

Part Number: 282345-0XX

## Size 3ECM Medium Stroke, Conical Face

Part Number: 282346-0XX

### Performance

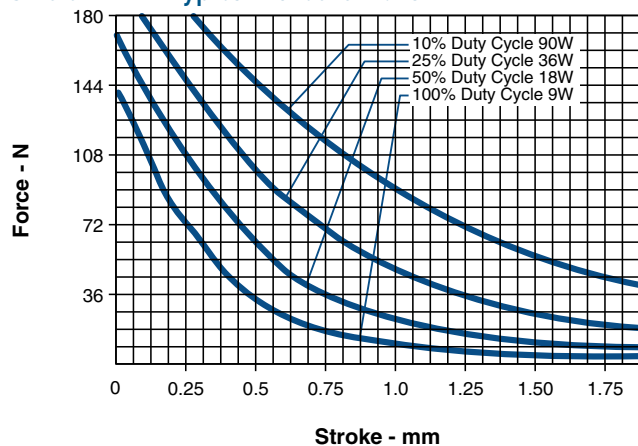
Maximum Duty Cycle	100%	50%	25%	10%
Maximum ON Time (sec) when pulsed continuously <sup>1</sup>	∞	100	36	8
Maximum ON Time (sec) for single pulse <sup>2</sup>	∞	162	44	9
Watts (@ 20°C)	9	18	36	90
Ampere Turns (@ 20°C)	535	756	1070	1690

#### Coil Data

awg (0XX) <sup>3</sup>	Resistance (@20°C)	# Turns <sup>4</sup>	VDC (Nom)	VDC (Nom)	VDC (Nom)	VDC (Nom)
23	0.70	145	2.6	3.7	5.2	8.2
24	1.18	192	3.3	4.6	6.6	10.4
25	1.97	252	4.2	5.9	8.4	13.2
26	3.26	328	5.3	7.5	10.6	16.8
27	5.04	405	6.7	9.4	13.3	21.0
28	8.02	510	8.4	11.9	16.8	27.0
29	12.21	627	10.4	14.7	21.0	33.0
30	19.20	780	13.2	18.6	26.0	42.0
31	31.84	1008	16.9	24.0	34.0	53.0
32	46.97	1215	21.0	29.0	41.0	65.0
33	75.30	1530	26.0	37.0	53.0	83.0

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

### Size 3EFM— Typical Force @ 20°C



Force values for reference only.

### Specifications

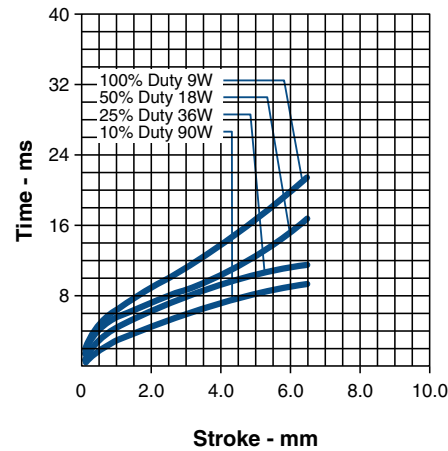
Dielectric Strength	23-27 awg, 1000 VRMS ; 28-33 awg, 1200 VRMS
Recommended Minimum Heat Sink	Maximum watts dissipated by solenoid are based on an unrestricted flow of air at 20°C, with solenoid mounted on the equivalent of an aluminium plate measuring 118 mm square by 3.2 mm thick
Coil Resistance	23-33 awg, ±5%
Weight	106.3 g
Holding Force 3EF	115.6 N @ 105°C
Holding Force 3EC	53.4 N @ 105°C
Dimensions	See page G16

### How to Order

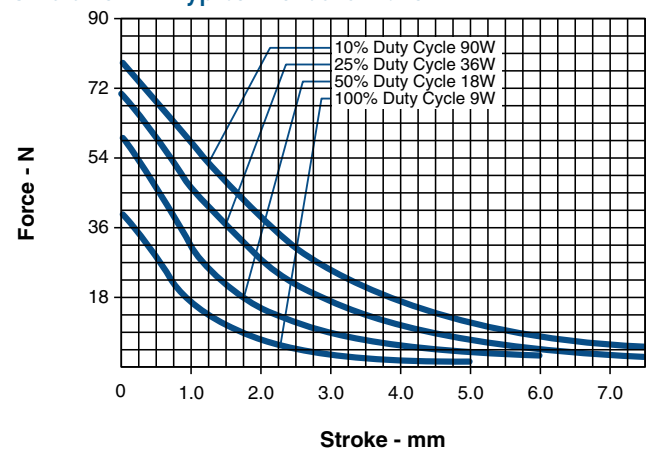
Add the coil awg number (0XX) to the part number (for example: to order a 25% duty cycle unit rated at 13.3 VDC, specify 282345-027).

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

### Size 3EFM and 3ECM – Typical Speed @ No Load, 20°C



### Size 3ECM— Typical Force @ 20°C



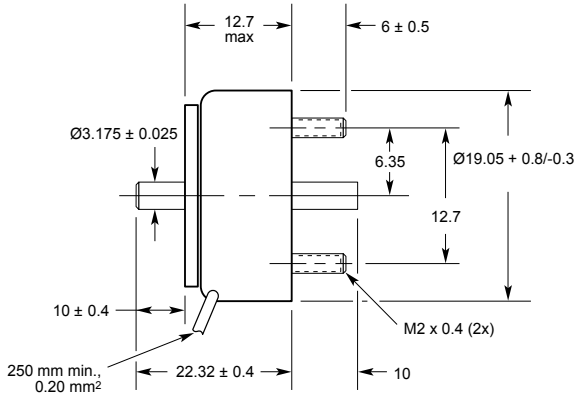
All specifications subject to change without notice.

# Ledex® Low Profile Dimensions

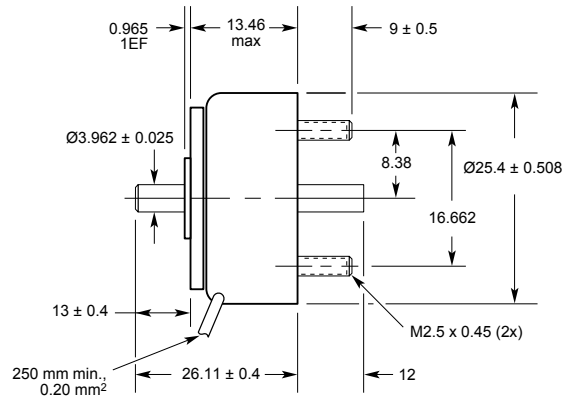
mm

All solenoids are illustrated in energised state

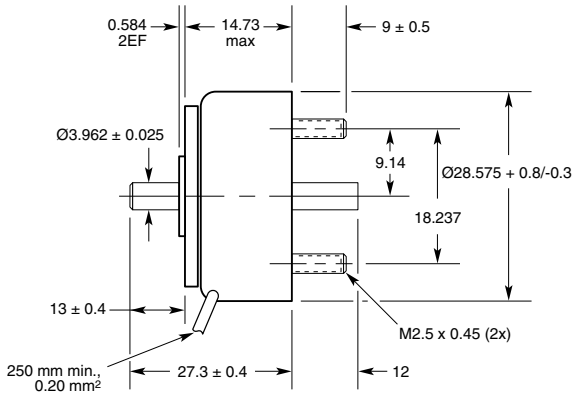
Size 0ECM



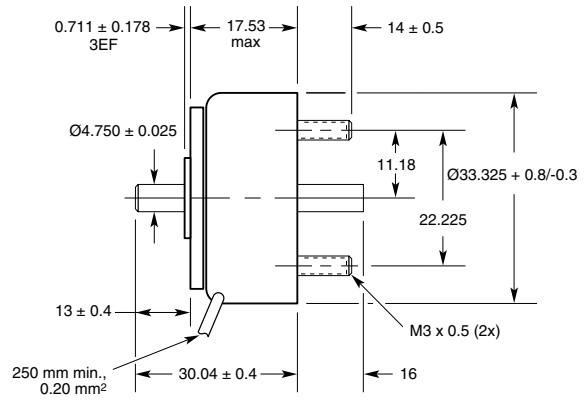
Size 1ECM



Size 2EFM/2ECM



Size 3EFM/3ECM



LINEAR Low Profile

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