

# Ledex® Low Profile Size 8ECM — Push or Pull

Medium Stroke, Conical Face

Part Number: 282356-0XX

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 <sup>1</sup>	∞	72	43	20
Maximum ON Time (sec) for single pulse <sup>2</sup>	∞	132	56	22
Watts (@ 20°C)	41	82	164	410
Ampere Turns (@ 20°C)	2195	3105	4155	6945

### Coil Data

awg (0XX) <sup>3</sup>	Resistance (@20°C)	# Turns <sup>4</sup>	VDC (Nom)	VDC (Nom)	VDC (Nom)	VDC (Nom)
23	19.00	1512	28.0	40.0	56.0	88.0
24	31.20	1952	36.0	51.0	72.0	113.0
25	49.40	2448	45.0	64.0	90.0	142.0
26	78.00	3060	57.0	80.0	113.0	179.0
27	119.00	3740	70.0	99.0	140.0	221.0
28	184.00	4584	87.0	123.0	174.0	275.0
29	301.00	5936	111.0	157.0	222.0	351.0
30	425.00	6750	132.0	187.0	264.0	417.0
31	683.00	8750	167.0	237.0	335.0	529.0
32	1110.00	11000	213.0	302.0	427.0	—
33	1509.00	12050	249.0	352.0	498.0	—

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

## Specifications

Dielectric Strength	23-27 awg, 1200 VRMS ; 28-33 awg, 1500 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 514 mm square by 3.2 mm thick
Coil Resistance	23-30 awg, ±5%; 31-33 awg, ±10%
Weight	2.2 kg
Holding Force	533.7 N @ 105°C
Dimensions	See page G18

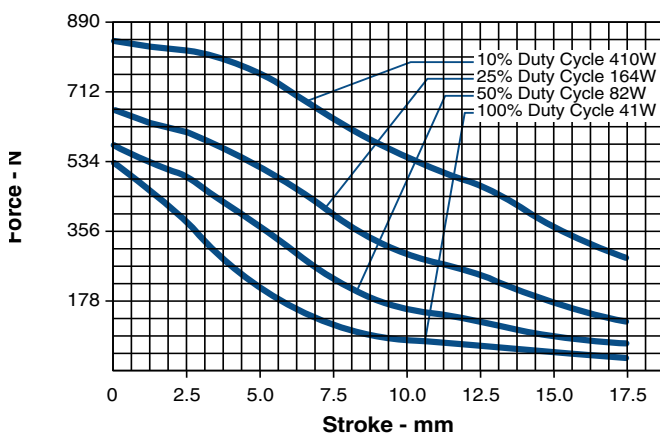
## How to Order

Add the coil awg number (0XX) to the part number (for example: to order a 25% duty cycle unit rated at 90 VDC, specify 282356-025).

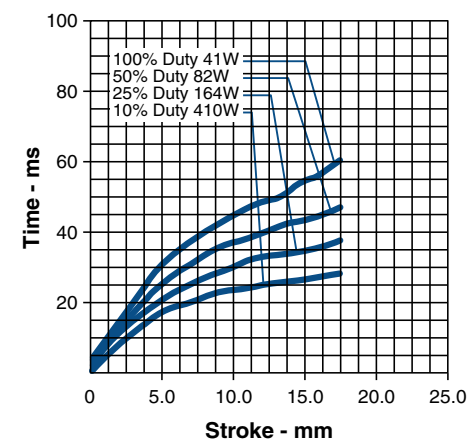
Please see [www.ledex.com](http://www.ledex.com) (click on Stock Products tab) for our list of stock products available through our distributors.

LINEAR Low Profile

Size 8ECM— Typical Force at 20°C



Size 8ECM— Typical Speed @ No Load, 20°C



Force values for reference only.

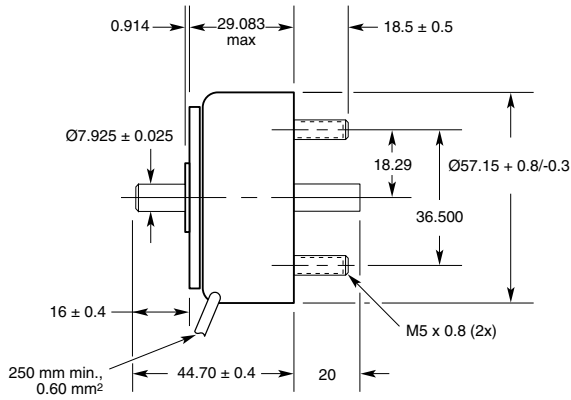
All specifications subject to change without notice.

# Ledex® Low Profile Dimensions

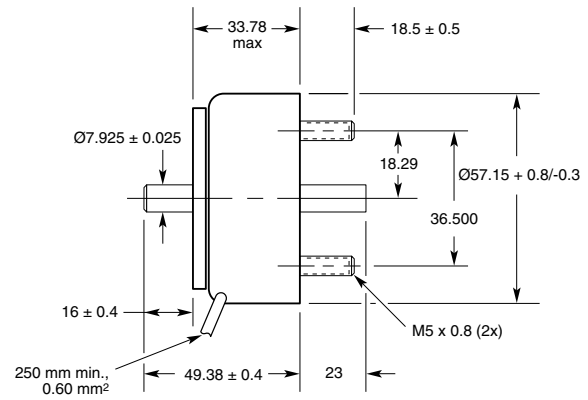
mm

All solenoids are illustrated in energised state

Size 6SFM

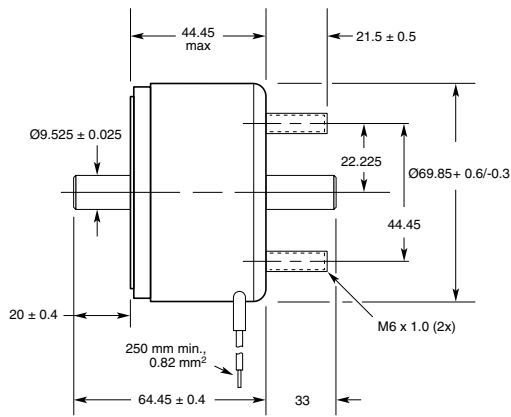


Size 6ECM

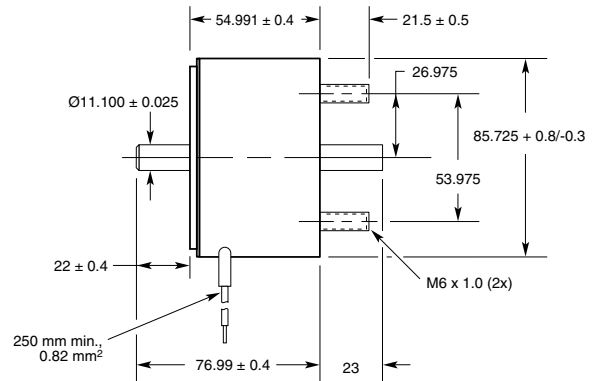


LINEAR Low Profile

Size 7ECM



Size 8ECM



All specifications subject to change without notice.