

Soft Shift® Size 5EPM

Part Number: 196658-0XX

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	10
Maximum ON Time (sec) for single pulse ²	∞	160	44	13
Watts (@ 20°C)	21	42	84	210
Ampere Turns (@ 20°C)	1015	1440	2030	3210

Coil Data

awg (0XX) ³	Resistance (@20°C)	# Turns ⁴	VDC (Nom)	VDC (Nom)	VDC (Nom)	VDC (Nom)
23	2.70	384	7.2	10.1	14.3	23.0
24	4.30	486	9.0	12.7	18.0	28.0
25	6.66	590	11.5	16.2	23.0	36.0
26	10.30	737	14.0	20.0	28.0	44.0
27	15.70	900	17.7	25.0	35.0	56.0
28	26.60	1190	23.0	32.0	45.0	72.0
29	38.00	1380	28.0	40.0	56.0	89.0
30	62.10	1768	36.0	51.0	71.0	113.0
31	96.10	2166	45.0	64.0	90.0	143.0
32	157.00	2816	57.0	80.0	113.0	179.0
33	241.00	3432	71.0	101.0	143.0	226.0

- 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

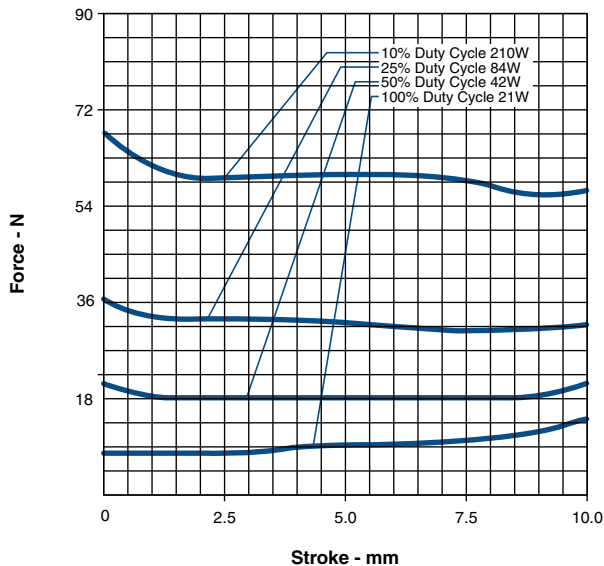
Stroke	0.400 ± 0.030 inches (10.16 ± 0.762 mm)
Dielectric Strength	1000 VRMS (23 awg); 1200 VRMS (24-33 awg)
Recommended Minimum Heat Sink	Maximum watts dissipated by solenoid are based on an unrestricted flow of air at 20°C, with solenoid mounted on the equivalent of an aluminium plate measuring 190.5 mm square by 3.2 mm thick
Coil Resistance	±5% tolerance on all coil awg
Spring Rate	498.3 Nmm; 2.0 N ±30% preload reference
Weight	340.2 g
Dimensions	See page E10

How to Order

Add the coil awg number (0XX) to the part number (for example: to order a 25% duty cycle unit rated at 35 VDC, specify 196658-027).

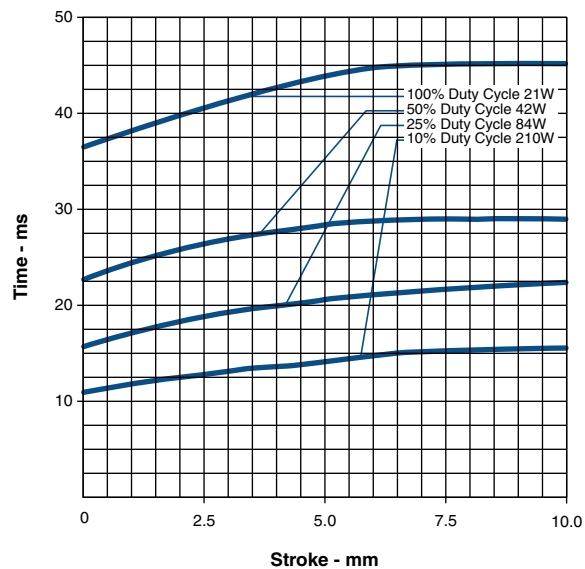
Please see www.ledex.com (click on Stock Products tab) for our list of stock products available through our distributors.

Size 5EPM — Typical Force @ 20°C



Force values for reference only.

Size 5EPM — Typical Speed @ No Load, 20°C



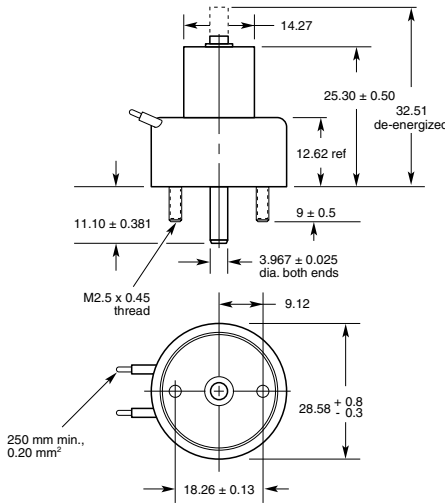
All specifications subject to change without notice.

Soft Shift® Dimensions

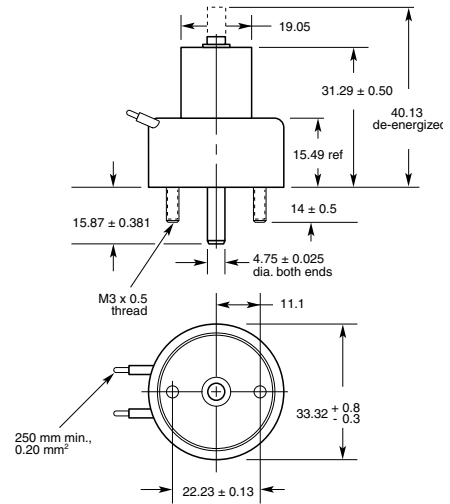
mm

All solenoids are illustrated in energised state

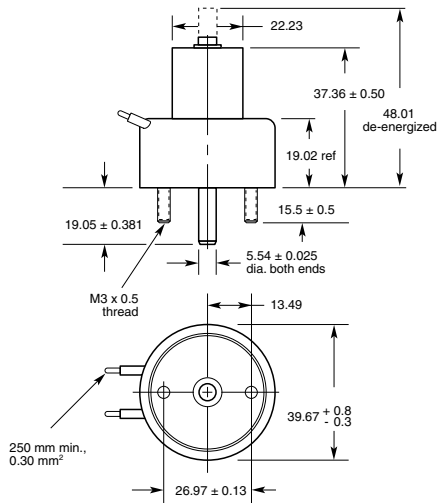
Size 2EPM



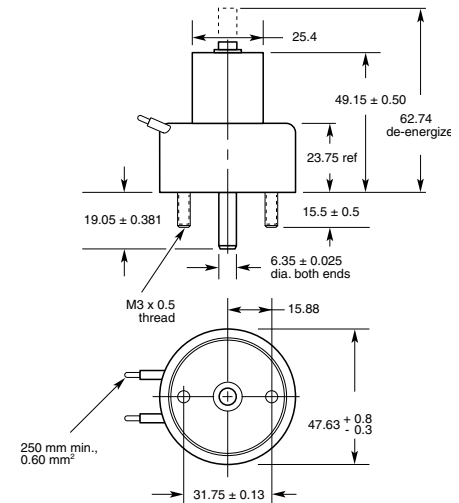
Size 3EPM



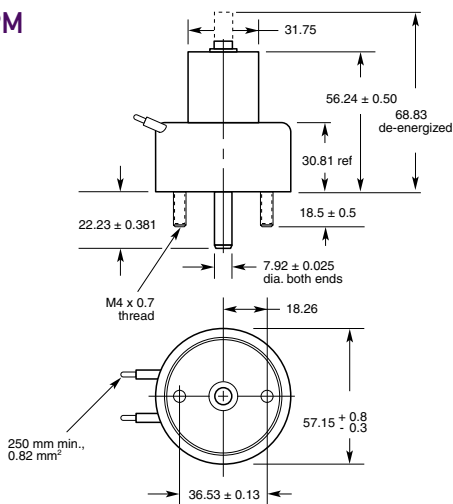
Size 4EPM



Size 5EPM



Size 6EPM



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