

Soft Shift® Size 2EP

Part Number: 191995-0XX

All products are RoHS Compliant

LINEAR Soft Shift®

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)	7	14	28	70
Ampere Turns (@ 20°C)	425	602	849	1350

Coil Data

awg (0XX) ³	Resistance (@20°C)	# Turns ⁴	VDC (Nom)	VDC (Nom)	VDC (Nom)	VDC (Nom)
24	0.68	130	2.2	3.2	4.5	7.1
25	1.16	174	2.8	4.0	5.7	9.0
26	1.96	231	3.6	5.1	7.2	11.5
27	3.16	296	4.5	6.4	9.0	14.4
28	5.10	378	5.7	8.1	11.5	18.2
29	6.94	423	7.0	9.9	13.9	22.0
30	11.03	530	8.8	12.5	17.7	28.0
31	16.85	649	11.0	15.6	22.0	35.0
32	28.15	858	13.9	19.8	28.0	44.0
33	42.75	1036	17.5	25.0	35.0	56.0
34	69.56	1312	23.0	32.0	45.0	72.0
35	112.00	1674	29.0	40.0	57.0	91.0

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

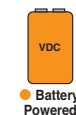
Stroke	0.160 ± 0.030 inches (4.06 ± 0.762 mm)
Dielectric Strength	1000 VRMS
Recommended Minimum Heat Sink	Maximum watts dissipated by solenoid are based on an unrestricted flow of air at 20°C, with solenoid mounted on the equivalent of an aluminum plate measuring 3 ³ / ₈ " square by 1 ¹ / ₈ " thick
Coil Resistance	±5% tolerance on all coil awg
Spring Rate	1.09 lb/in; 0.125 lb ±30% preload reference
Weight	2.5 oz (70.9 gms)

How to Order

Add the coil awg number (0XX) to the part number (for example: to order a 25% duty cycle unit rated at 9 VDC, specify 191995-027).

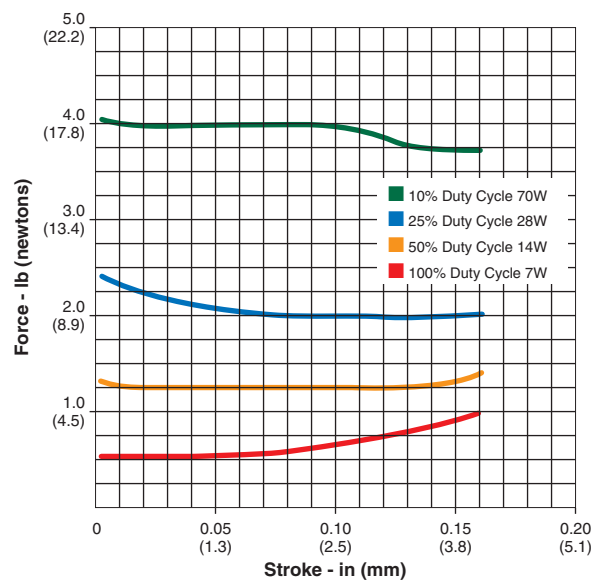
Please see www.johnsonelectric.com for our list of stock products available through distribution.

All specifications subject to change without notice.



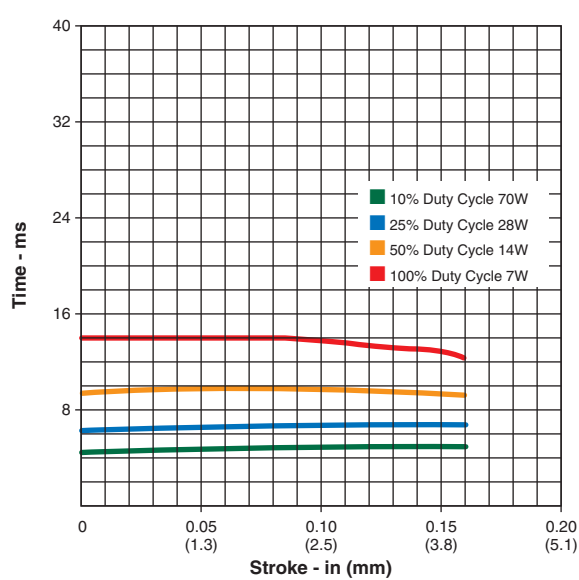
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Typical Force @ 20°C



Force values for reference only.

Typical Speed @ No Load, 20°C



Dimensions

Inches (mm)

All solenoids are illustrated in energized state

