

Performance

	- chommanee					
	Maximum Duty Cycle	100%	50%	25%	10%	
Y	Maximum ON Time (sec) when pulsed continuously ¹	∞	50	5	2	
1	Maximum ON Time (sec) for single pulse ²	~	140	30	8	
	Watts (@ 20°C)	4	8	16	40	
).	Ampere Turns (@ 20°C)	497	704	994	1573	

	Coil Data					
awg	Resistance	_ # ,	VDC	VDC	VDC	VDC
(0XX) ³	(@20°C)	Turns ⁴	(Nom)	(Nom)	(Nom)	(Nom)
27	1.43	306	2.4	3.4	4.8	7.6
28	1.95	342	2.8	3.9	5.6	8.8
29	3.84	508	3.9	5.5	7.8	12.4
30	5.29	572	4.6	6.5	9.2	14.5
31	9.56	795	6.2	8.8	12.4	19.6
32	16.54	1068	8.1	11.5	16.3	25.7
33	22.60	1194	9.5	13.4	19.0	30.0
34	37.41	1547	12.2	17.3	24.0	39.0
35	60.71	1976	15.6	22.0	31.0	49.0
36	96.19	2475	19.6	28.0	39.0	62.0
37	141.93	3060	23.8	33.7	47.6	75.3

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	500 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 51 mm square by 3.2 mm thick
Coil Resistance	±5% tolerance
Holding Force	Flat Face: 4.5 N @ 20°C 60°: 3.2 N @ 20°C
Weight	25.2 g
Plunger Weight	3.1 g

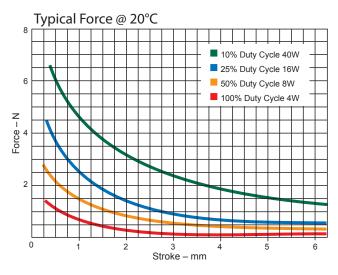
How to Order

Add the plunger configuration, anti-rotation flat number and the coil awg number to the part number (for example: to order a unit with a 60° plunger configuration without anti-rotation rated for 4.8 VDC at 25% duty cycle, specify 195223-227.

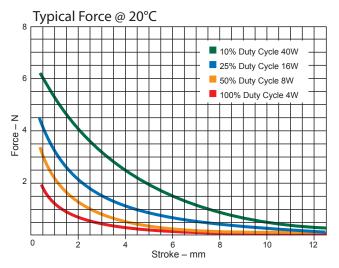
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All specifications subject to change without notice.

Flat Face Plunger

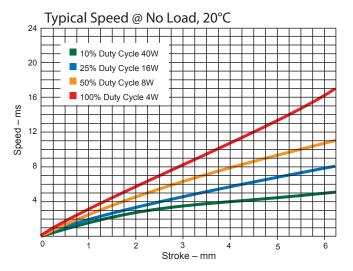


60° Plunger



Force values for reference only.

Dimensions



Typical Speed @ No Load, 20°C 60 10% Duty Cycle 40W 50 25% Duty Cycle 16W 50% Duty Cycle 8W 100% Duty Cycle 4W 40 Speed - ms 30 20 10 0 10 12 2 6 8 4 Stroke - mm

mm All solenoids are illustrated in energised state

