



Type 55

All Values Shown are Based on a 20° C. Ambient Temperature

Duty Cycle % = $\frac{\text{On Time}}{\text{On Time} + \text{Off Time}}$		100%	50%	25%	10%	5%	
On Time/Pulse (Seconds Maximum At Above Duty Cycle.) Can be about 10% longer if solenoid is used infrequently and allowed to cool to ambient after each pulse.		∞	104	38	10.5	3.8	
Watts (Approximate) Solenoid mounted on the equivalent of a 1/8" thick aluminum plate having a surface area 10 times that of the solenoid.		20	45	85	212	415	
Ampere Turns (Approximate)		875	1235	1735	2750	3870	
Starting Torque (Gross Lb. In.) Axial Stroke, Nominal .042" to .055"	Strokes						
	25° 35° 45° 67½° 95° Others Available. Contact Factory.	2.00 1.00 .73 .52 .23	4.20 2.65 1.73 1.23 .53	7.40 4.55 3.43 2.22 1.03	12.20 7.90 6.32 3.92 1.91	13.25 9.25 6.91 4.91 2.61	
Awg	Resistance	Turns	Voltage DC				
19	.31	110	2.5	4.0	5.0	8.0	11.0
20	.43	125	3.0	4.5	6.0	9.5	13.5
21	.74	168	4.0	5.5	8.0	12.5	17.0
22	1.26	224	5.0	7.0	10.0	15.5	21.5
23	2.03	288	6.5	9.0	12.5	19.5	27.5
24	3.20	360	8.0	11.0	15.5	24.5	33.5
25	4.91	440	10.0	14.0	19.5	30.5	43.5
26	7.72 ± 5%	550	12.5	17.5	24.5	39.0	54.5
27	11.12	639	15.5	21.5	30.5	48.0	68.0
28	18.79	840	19.5	28.0	39.0	61.5	87.0
29	30.48	1088	24.5	35.0	48.5	77.0	109.0
30	44.86	1275	31.0	43.5	61.0	97.0	137.0
31	70.90	1596	39.0	54.5	77.0	122.0	172.0
32	109.00	1974	48.0	69.0	96.0	152.0	214.0
33	175.00	2496	61.5	86.0	122.0	193.0	272.0
34	270.00	3042	78.5	111.0	154.0	243.0	343.0
35	414.00	3600	99.5	141.0	199.0	315.0	447.0
36	610.00	4200	128.0	180.0	251.0	396.0	562.0
37	940.00 ± 10%	5200	160.0	226.0	310.0	498.0	696.0
38	1560.00	6820	203.0	281.0	390.0	624.0	889.0
39	2545.00	8910	254.0	356.0	484.0	789.0	1095.0
40	3960.00	11000	313.0	437.0	634.0	999.0	1386.0