

Wire-wound potentiometers series DP

Technical data



Product chart	Power	Resistance range	Tolerance *	Electrical angle	Mechanical angle	Dielectric strength
DP 3	3 W	4R0 - 50K	J ($\pm 5\%$)	290°	300°	2 kV
DP 20	20 W	5R0 - 15K		251°	270°	
DP 60	60 W	2R0 - 20K		258°	270°	
DP 170	170 W	2R0 - 60K		290°	300°	3 kV
DP 300	300 W	2R0 - 200K		294°	300°	

* restricted on request

Resistance and current table

Type	DP 3	DP 20	DP 60	DP 170	DP 300
Resistance *	I_{max} [A]				
2R0			5.5	9.2	12.20
3R0			4.5	7.5	10.00
4R0	0.866		3.9	6.5	8.70
5R0	0.774	2.00	3.5	5.8	7.70
6R0	0.707	1.85	3.2	5.3	7.10
8R0	0.612	1.58	2.7	4.6	6.10
10R	0.547	1.41	2.4	4.1	5.50
15R	0.447	1.15	2.0	3.4	4.50
20R	0.387	1.00	1.7	2.9	3.90
25R	0.46	0.890	1.5	2.6	3.50
30R	0.316	0.810	1.4	2.4	3.20
40R	0.273	0.700	1.2	2.1	2.70
50R	0.244	0.630	1.1	1.85	2.45
60R	0.223	0.570	1.0	1.70	2.25
80R	0.192	0.500	0.86	1.45	1.94
100R	0.173	0.440	0.77	1.30	1.73
150R	0.141	0.360	0.63	1.06	1.42
200R	0.122	0.316	0.55	0.92	1.22
250R	0.109	0.282	0.49	0.82	1.10
300R	0.100	0.257	0.45	0.75	1.00
400R	0.083	0.223	0.39	0.65	0.870
500R	0.077	0.200	0.35	0.58	0.770
600R	0.070	0.182	0.32	0.53	0.710
800R	0.061	0.158	0.27	0.46	0.610
1K0	0.054	0.141	0.24	0.41	0.550
1K0	0.044	0.115	0.20	0.34	0.450
2K0	0.037	0.100	0.17	0.29	0.390
2K0	0.034	0.089	0.15	0.26	0.350
3K0	0.031	0.081	0.14	0.24	0.320
4K0	0.027	0.070	0.12	0.21	0.270
5K0	0.024	0.063	0.11	0.185	0.245
6K0	0.022	0.057	0.10	0.170	0.225
8K0	0.019	0.050	0.086	0.145	0.194
10K	0.017	0.044	0.077	0.130	0.173
15K	0.014	0.036	0.063	0.106	0.142
20K	0.012		0.055	0.092	0.122
25K	0.011			0.082	0.110
30K	0.010			0.075	0.100
40K	0.008			0.065	0.087
50K	0.007			0.058	0.077
60K				0.053	0.071
80K					0.061
100K					0.055
200K					0.039

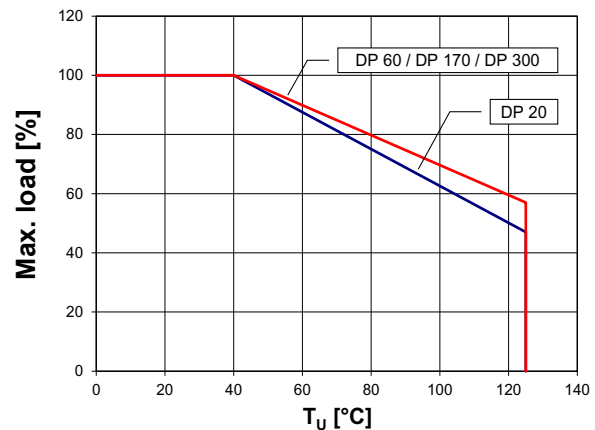
* On request we supply intermediate values

Special executions

We are able to supply the following special executions (More special executions on request):

- Different shaft lengths and diameters
- Shafts with integral milled surface or screwdriver slot
- Isolated cursor end position at left or right stop
- Center tab
- Non-linear resistance course
- Additional tabs
- Silvered contact path
- Short circuit sections
- Multiple electrically separated windings on one carrier

Derating curves



Temperature rise curves

