



## Zs Earth Loop Impedance Values Maximum Values (PROTEK)

### "B" Curves MCBs

MCB Rating	Max Zs (Ohms)	
	Trip Time	Trip Time
	S=0.40	S=5.00
1	24.00	53.00
2	16.00	26.00
3	12.00	18.76
4	10.00	13.56
6	8.00	8.80
10	4.80	5.33
16	3.00	3.33
20	2.40	2.66
25	1.92	2.14
32	1.50	1.66
40	1.20	1.33
50	0.96	1.06
63	0.76	0.84

### "D" Curves MCBs

MCB Rating	Max Zs (Ohms)	
	Trip Time	Trip Time
	S=0.40	S=5.00
1	6.00	53.00
2	4.00	26.00
3	3.00	18.76
4	2.50	13.56
6	2.00	8.80
10	1.20	5.33
16	0.75	3.33
20	0.60	2.66
25	0.48	2.14
32	0.37	1.66
40	0.30	1.33
50	0.24	1.06
63	0.19	0.84
80	0.15	0.29
100	0.12	0.23

### "C" Curves MCBs

MCB Rating	Max Zs (Ohms)	
	Trip Time	Trip Time
	S=0.40	S=5.00
1	12.00	53.00
2	8.00	26.00
3	6.00	18.76
4	5.00	13.56
6	4.00	8.80
10	2.40	5.33
16	1.50	3.33
20	1.20	2.66
25	0.96	2.14
32	0.75	1.66
40	0.60	1.33
50	0.48	1.06
63	0.38	0.84
80	0.30	0.29
100	0.24	0.23