

Max Zs Cheat Sheet

BS 7671 Design Values — For Ambient Testing: Multiply by 0.8

BS EN 60898 — Modern MCBs

Table 41.3 • 100% Values (×0.8 for ambient)

Rating (A)	Type B (Ω)	Type C (Ω)	Type D (Ω)
6A	7.28	3.64	1.82
10A	4.37	2.19	1.09
16A	2.73	1.37	0.68
20A	2.19	1.09	0.55
32A	1.37	0.68	0.34
40A	1.09	0.55	0.27
50A	0.87	0.44	0.22
63A	0.69	0.35	0.17

BS 3871 — Legacy Breakers

Formula: $230 \times 0.95 / (\text{multiplier} \times \text{In})$

Rating (A)	Type 1 (Ω)	Type 2 (Ω)	Type 3 (Ω)
5A	10.93	6.25	4.37
6A	9.10	5.21	3.64
10A	5.46	3.12	2.19
15A	3.64	2.08	1.46
20A	2.73	1.56	1.09
30A	1.82	1.04	0.73
45A	1.21	0.69	0.49
63A	0.87	0.50	0.35

Fuses — BS 88 & BS 3036

Tables 41.2 & 41.4 • 100% Values

BS 88-2 Fuses (gG) 0.4s • Table 41.2

Rating	Zs (Ω)	Rating	Zs (Ω)
6A	7.80	32A	0.99
10A	4.65	40A	0.75
16A	2.43	50A	0.57
20A	1.68	63A	0.44
25A	1.29		

BS 3036 Rewirable Fuses 0.4s • Table 41.2

Rating	Zs (Ω)	Rating	Zs (Ω)
5A	9.10	30A	1.04
15A	2.43	45A	0.56
20A	1.68	60A	0.40

Quick Reference Notes

32A Type B (1.37Ω) — Most common ring final circuit. For ambient testing: $1.37 \times 0.8 = 1.09\Omega$ max measured.**Type B:** 3-5× In | **Type C:** 5-10× In | **Type D:** 10-20× In**BS 3871:** Type 1 (4×) | Type 2 (7×) | Type 3 (10×) — use $230 \times 0.95 / (\text{multiplier} \times \text{In})$ **Need to validate ring continuity results?**

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