



DATA SHEET FOR STANDARD RANGE CIRCUIT PROTECTION



Switches	The most commonly used Wylex Standard range of consumer units are fitted with a single main switch isolating all circuits. Units of 2,3,4,6 and 8 ways are available in both insulated and metal enclosures with a 12 way unit available in a metal enclosure only.	BS 5419:1977. Double pole 240v 50Hz. Category of duty: AC21 60A >1989, 100A After 1989 (for 2, 3, 4, 6 and 8 way).
Rewirable Fuses	The semi-enclosed or rewirable fuse is still the most economical method of over current protection and is fully recognised within the current regulations. The tried and tested rewirable fuse is still used in the majority of new and rewired domestic installations where cost is the prime consideration	BS 3036:1958.5A – 30A. Short circuit capacity 2kA Category of duty: S2A
Cartridge Fuses	The cartridge fuse offers a mid cost option between rewirable fuses and MCB's. They have a short circuit rating of 16.5kA, which means that for the normal 100A single phase supply, no further consideration of fault level is necessary.	BS 1361:1971. 5A- 60A BS 88: 35A & 40A, rated at 240v 50Hz Short circuit capacity 16.5kA
Plug in MCB's	Wylex Plug in MCB's, known as B Breakers, offer the convenience of simple restoration of supply by the resetting of a switch dolly or push button in the old style. The MCB's are suitable for both new and existing installations where a Wylex "Standard range" consumer unit is installed <i>Old style (one) being described as having a black Wylex logo and triangle with SK inside it.</i> <i>Old style (two) being described as having a red Wylex logo and slightly smaller in size, with coloured dollies.</i> <i>New style being described as having a black logo and black dollies.</i>	BS 3871: Type 3 (Push button style), 5A is 1kA, All other Amps are 2kA. BS 3871 & BSEN 60898: 6A – 40A Type 2 (old style), Short circuit protection is 3kA. BSEN 60898 Type B (new style), Short circuit protection is 3kA
Consumer Units	Factory built assemblies Including Amendment No 1, conditional rating 16kA (CM16) 6 way to 12 way.	BS 5486 Part 13: 1979. Degree of protection : IP2X

Zs Values

	5A	6A	10A	15A	16A	20A	30A	32A	35A	40A	45A	In Rating
Rewirable Fuses(0.4s)	10.00			2.67		1.85	1.14					
Rewirable Fuses(5s)	18.5			5.58		4.00	2.76					
Cartridge Fuses(0.4s)	10.90			3.43		1.78	1.20		1.03	0.86	0.60	
Cartridge Fuses(5s)	17.1			5.22		2.93	1.92		1.79	1.41	1.00	
Push button MCB's	4.80			1.60		1.20	0.80			0.60	0.53	7 to 10
Old toggle MCB's		5.71	3.43		2.14	1.71		1.07		0.86		4 to 7
New toggle MCB's	9.60	8.0	4.80	3.20	3.0	2.40	1.60	1.50		1.20	1.07	3 to 5