



**DATA SHEET FOR 1 POLE LOADSTAR DOMESTIC MCBs
B AND C CURVES**



Type B (3-5In)	Type C (5-10In)
6MSB06	6MSC06
6MSB10	6MSC10
6MSB16	6MSC16
6MSB20	6MSC20
6MSB32	6MSC32
6MSB40	6MSC40
6MSB50	6MSC50

Standards	BS EN 60898, IEC 60898	
Tripping characteristic	B, C	
Rated voltages U_n	230/400	
Operational voltage	min.	V AC/DC 24
	max.	V DC/pole 60
	max.	V AC 250
Rated short circuit capacity I_{cn}	kA AC	6
Insulation coordination		
• Rated insulation voltage	V AC	250
• Degree of pollution for overvoltage category	2/III	
Touch protection acc. to EN50274	Yes	
Handle end position, sealable	Yes	
Degree of protection acc. to EN60529	IP20	
CFC and silicone-free	Yes	
Terminals		
• Terminal tightening torque	Nm	2.5 ... 3
Conductor cross-sections		
• Solid and stranded	mm ²	0.75 ... 25
• Finely stranded, with end sleeve	mm ²	0-75 ... 25
Mounting position	Any	



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**EARTH FAULT LOOP IMPEDANCES (Zs OHMS) TO GIVE COMPLIANCE WITH BS7671
REGULATION 411.3.2.2 AND 411.3.2.3 AT 230V**

Maximum earth fault loop impedance in ohms for instantaneous operation of devices giving compliance with the 0.4 second disconnection time of Regulation 411.3.2.2 and 5 second disconnection time of regulation 411.3.2.3

CURVE	BS EN	6A	10A	16A	20A	32A	40A	50A
B	60898	7.666	4.599	2.874	2.299	1.439	1.149	0.919
C	60898	3.829	2.299	1.439	1.149	0.719	0.569	0.459

The values in this table should be modified to allow for the cable temperature at the time of test

I²t ENERGY LET-THROUGH

Typical values of I²t energy let-through for Starbreaker MCBs are given in the taable below:

CURVE	BS EN	6A	10A	16A	20A	32A	40A	50A
B	60898	10,220	17,900	22,260	22,260	31,760	31,760	45,160
C	60898	14,890	18,750	23,820	32,470	32,470	32,470	44,270

Prospective short circuit test current 6000A

LOADSTAR MINIATURE CIRCUIT BREAKERS

List No	A	B	C	D	E	F	G
6MSB__							
& 6MSC__	90	18	45	6	44	70	3

