DATA SHEET FOR 1 POLE STARBREAKER MCBs
B AND C CURVES

LIST No	
Type B	Type C
61/B06	61/C06
61/B10	61/C10
61/B16	61/C16
61/B20	61/C20
61/B32	61/C32
61/B40	61/C40
61/B50	61/C50

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
Service life on average, with rated load			20000 actuations
Ambient temperature		°C	-25...+45, occasionally +55, max. 95% humidity, storage temperature: -40...+75
Resistance to climate acc. to IEC60068-2-30			
Resistance to vibrations acc. to IEC60068-2-6		m/s^2	

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B AND C CURVES

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

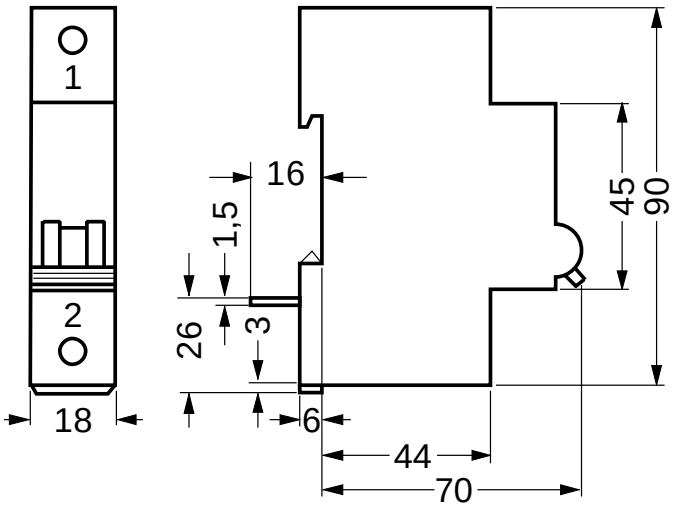
The values in this table should be modified to allow for the cable temperature at the time of test

I^2t ENERGY LET-THROUGH

Typical values of I^2t 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



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