



**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	

TECHNICAL

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**EARTH FAULT LOOP IMPEDANCES (Z_s 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

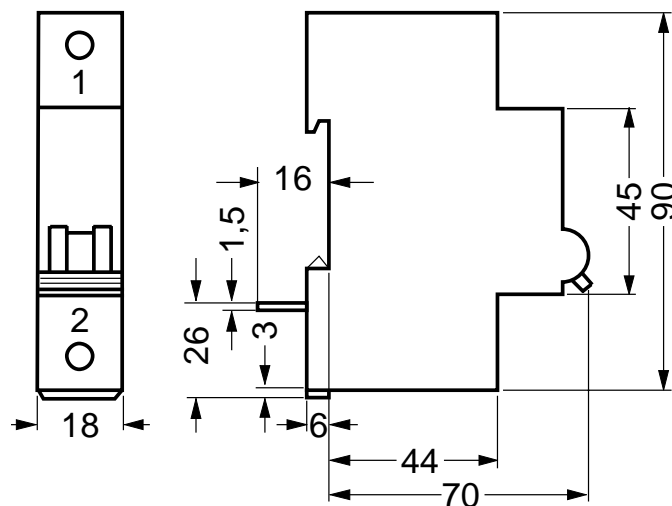
The values in this table should be modified to allow for the cable temperature at the time of test

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



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