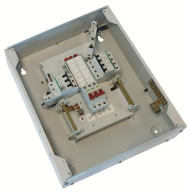
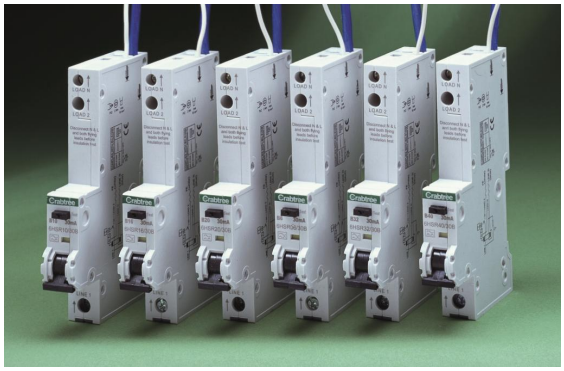


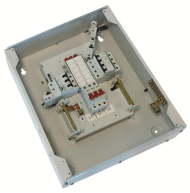
DATA SHEET FOR 1 POLE 6kA LOADSTAR TYPE A VOLTAGE DEPENDENT RCBOs B AND C CURVES



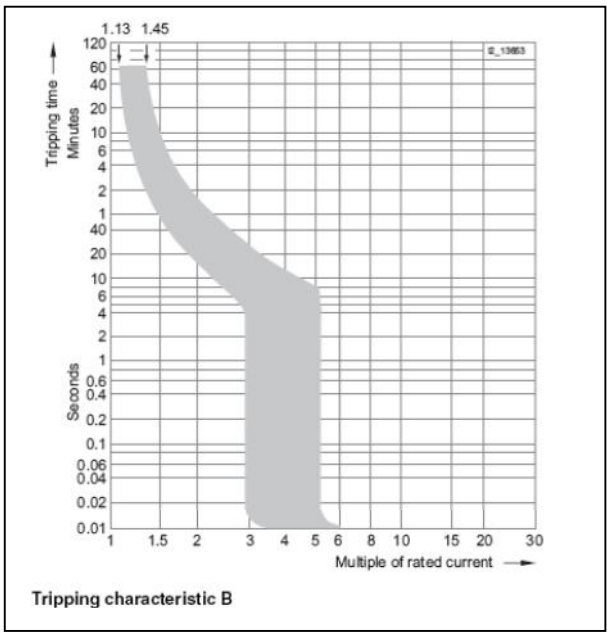
LIST No.	
30mA Type B	30mA Type C
6FSR06/30B	6FSR06/30C
6FSR10/30B	6FSR10/30C
6FSR16/30B	6FSR16/30C
6FSR20/30B	6FSR20/30C
6FSR32/30B	6FSR32/30C
6FSR40/30B	6FSR40/30C
6FSR50/30B	6FSR50/30C

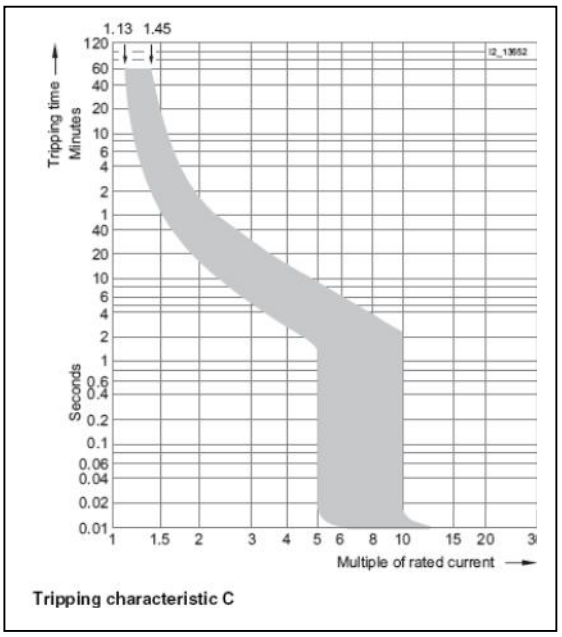
Standards Approved acc. to			IEC/EN 61009-1, IEC/EN 61009-2-1
Tripping characteristic			B, C
Rated voltages U_n		V AC	230 (240)
Rated frequency f_n		Hz	50 ... 60
Rated currents I_n		A	6, 10, 16, 20, 32, 40, 50
Rated residual currents $I_{\Delta n}$		mA	30
Rated switching capacity		kA	6
Energy limitation class			3
Terminals / conductor cross-sections			
Outgoing		mm^2	0.75 ... 16
Terminal tightening torque		Nm	2
Mains connection			Bottom
Mounting position			Any
Degree of protection	acc. to EN 60529		IP20, with connected conductors
Touch protection	acc. to EN 50274		Finger and back-of-hand safe
Service life	Test cycle acc. to IEC/EN 61009	switching cycles	>10000
Storage temperature		°C	-40 ... +75
Ambient temperature		°C	-25 ... +45
Resistance to climate	Acc. to IEC 60068-2-30		28 cycles (55 °C; 95 % rel. air humidity)
CFC and silicone-free			Yes

RCBOs (Residual Current Circuit Breakers with integral Overcurrent protection) are a combination of an RCCB and miniature circuit breaker in a compact, single module, design. An RCBO with a rated residual tripping current of 30mA meeting the requirements of 415.1.1 can be used for circuits and cable installations covered by 411.3.3 (socket outlets), 522.6.6, 522.6.7, 522.6.8 (wiring systems) and 701.411.3.3 (locations containing a bath or shower).



DATA SHEET FOR 1 POLE 6kA LOADSTAR TYPE A VOLTAGE DEPENDENT RCBOs B AND C CURVES





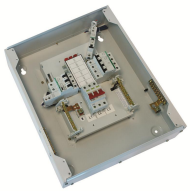
For universal use in socket outlet and lighting circuits

Particularly advantageous in lamp and motor circuits with higher starting currents

Earth fault loop impedances (Zs ohms) to give compliance with BS7671 regulations 411.3.2.2 and 411.3.2.3 at 230V							
-	Maximum earth-fault loop impedance (Ohms)						
	6A	10A	16A	20A	32A	40A	50A
MCB Type B	7.666	4.599	2.874	2.299	1.439	1.149	0.919
MCB Type C	3.829	2.299	1.439	1.149	0.719	0.569	0.459
RCBO	1666	1666	1666	1666	1666	1666	1666

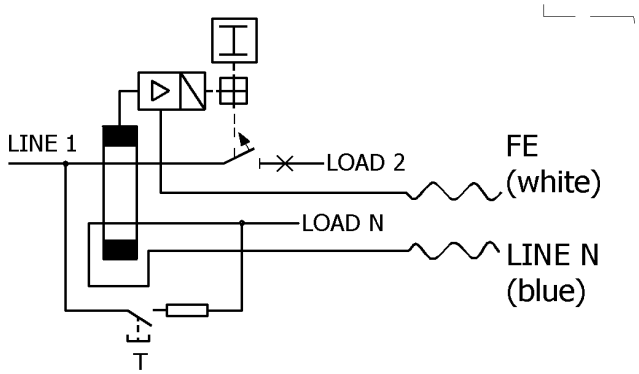
The values in this table should be modified to allow for the cable temperature at the time of test

RCBO values reflect the rated residual operating current characteristics of the device (BS7671 table 41.5). For the overcurent characteristics read as related MCB values.



DATA SHEET FOR 1 POLE 6kA LOADSTAR TYPE A VOLTAGE DEPENDENT RCBOs B AND C CURVES

Connection details:



1) Fit to appropriate distribution board L busbar connection, using high level connection.
2) Route the blue neutral ‘flying lead’ to the corresponding neutral bar connection.
3) Route the functional earth (FE) ‘flying lead’ to the corresponding earth bar (PE) connection
4) Check tightness of screw connections to the required torque of 2.5-3Nm
   DO NOT connect using power driven screwdrivers
5) Test after installation (Disconnect during insulation resistance testing)

During interruption of the neutral conductor the protective function is guaranteed when FE and PE conductors are connected. To establish correct function of the RCBO mechanism the test button T shall be pressed frequently

Dimensional Drawing