

Product Data Sheet



Product Code:

Issue No.

Issue Date:

Issue by:

XL6CR - XL45CR

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16.01.17

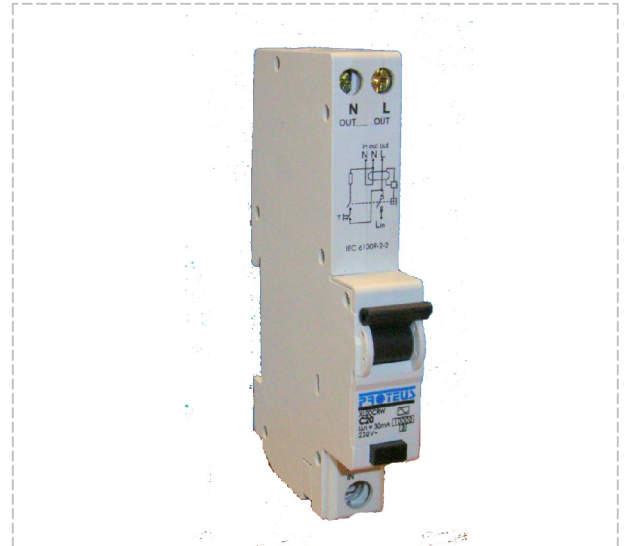
S.H

Description

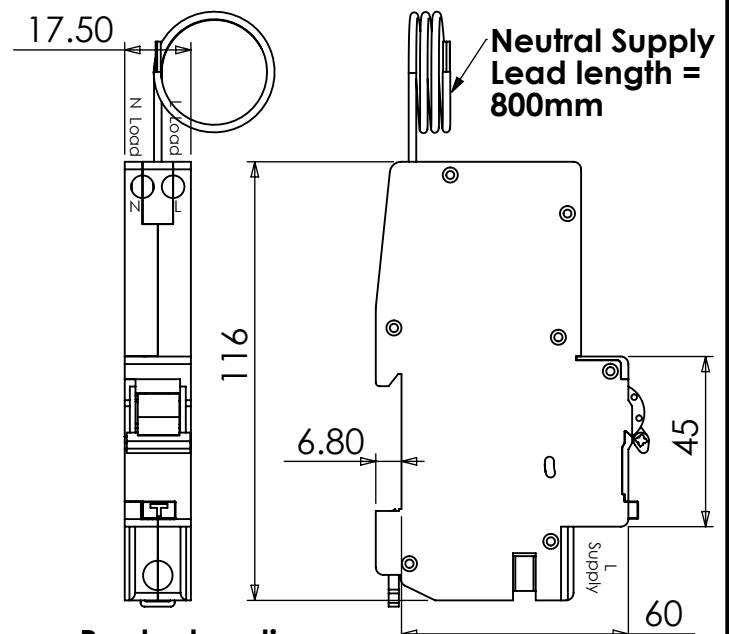
XL Single Module RCBO Type C 10kA

General Characteristics

Standards	BSEN61009
Current ratings (In)	6, 10, 16, 20, 25, 32, 40 & 45
Voltage rating (Ue)	230a.c.
Earth Fault Sensitivity (Idn)	30mA
Frequency	50Hz
Type (overcurrent)	C (5 - 10xIn)
Type (Earth fault sensitivity)	A
Enclosure material	Flame Retardent PBT
Colour	Light Grey - RAL7035
IP Rating	IP20
Cable Entry Facility	Box Terminals
No of Modules	1
No. of Poles	1 (Switched Live phase + solid Neutral)
Short Circuit rating (kA)	10kA* (*45A=6kA)
Terminal capacity (In)	25mm ²
Terminal capacity (Out)	16mm ²
Busbar connectivity	upto 2mm thick forked copper busbar
Terminal Tightening Torque	2 - 2.5Nm (In) 1 - 1.5Nm (Out)
Calibration Temperature	30C
Operating temperature	-5C to +55C



Dimensions



Product coding

XL	6	CR
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XL range 10kA

In
6
10
16
20
25
32
40
45

1 module
Type C
RCBO
Single pole

Earth Fault Current	Trip time limit (typical measured value)
0.5 x Idn	No Trip
1 x Idn	<300ms (nominally <40ms)
5 x Idn	<40ms (nominally <40ms)
	Actual Trip Threshold (mA)
Idn = 30mA	20 - 25mA

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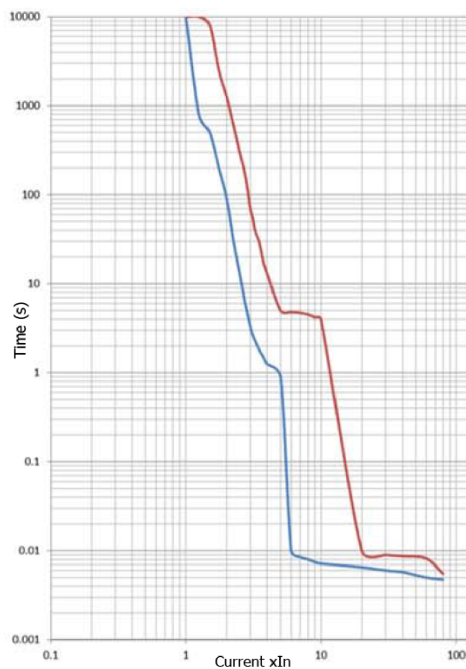
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Thermal/Magnetic Tripping characteristic



Type A () means tripping is ensured for residual sinusoidal alternating currents and pulsating direct currents, whether suddenly applied or slowly rising.

Test facility provided checks the electronic detection and mechanical tripping of the device - must be operated regularly.

This RCBO is suitable for use as an isolation device and can be locked in either OFF or ON position. However when locked in the ON state the device can still trip, therefore continue to provide earth fault protection

Earth Fault Loop Impedance Zs max at 218.5V - (230V x 0.95 Cmin)

(In)	Max Zs (@0.4sec)	Max Zs (@5sec)
6	3.83	8.09
10	2.30	4.86
16	1.44	3.03
20	1.15	2.43
25	0.92	1.94
32	0.72	1.52
40	0.58	1.21
45	0.51	1.08

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