

| Product Code | Product Range  | Issue No. | Issue Date | Issue By |
|--------------|----------------|-----------|------------|----------|
|              | RCBO – B curve | A         | 02/01/2020 | T. Tombs |

## **B curve**

XL6BRK  
XL10BRK  
XL16BRK  
XL20BRK  
XL25BRK  
XL32BRK  
XL40BRK

### Description

#### **Single module B curve RCBO.**

2 pole RCBO for Proteus MCB boards.  
Type A filtering.  
6 A to 32 A 10kA Icu.  
40 A 6kA Icu.

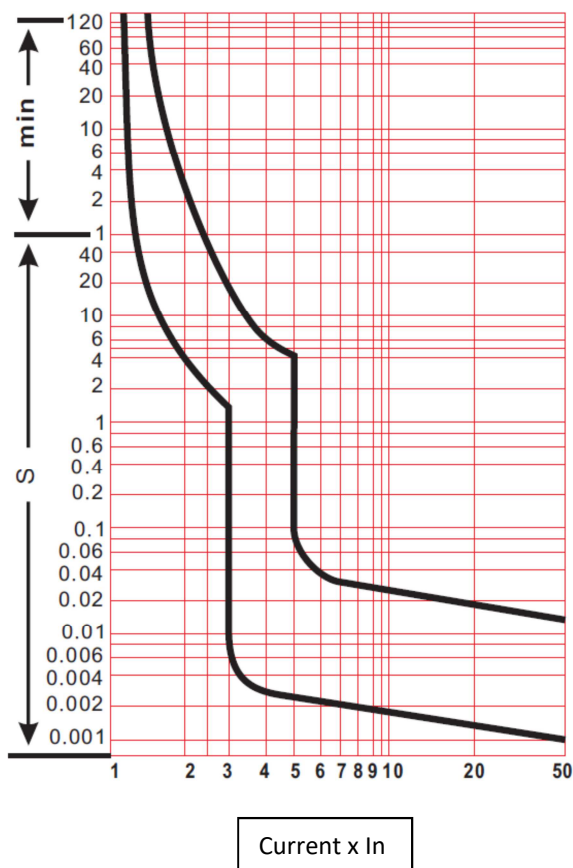
### Features

Single module.  
High fault level.  
Modern design to latest standards.  
Suitable for isolation.  
Compact range – same height as MCB.



### General Characteristics

|                            |                                                                                               |
|----------------------------|-----------------------------------------------------------------------------------------------|
| Standards                  | BS EN 61009-1. BS EN 61009-2-2.                                                               |
| Current Rating             | 6, 10, 16, 20, 25, 32, 40.                                                                    |
| Voltage Rating             | 230 / 400V, 240 / 415V.                                                                       |
| Fault Current Rating       | 10kA Icu. 75% Ics 6,10,16,20,25,32A.<br>6kA Icu & Ics.                                        |
| Thermal / Magnetic         | B curve (3 – 5x In).                                                                          |
| Residual current filtering | Type A<br> |
| Residual current IΔN       | 30 mA                                                                                         |
| Uimp (kV)                  | 4                                                                                             |
| Rated frequency            | 50Hz.                                                                                         |
| Pollution Degree           | 3.                                                                                            |
| No. of Poles               | 2 - Live switched, neutral not switched.                                                      |
| Terminal Capacity Line.    | 25 mm <sup>2</sup>                                                                            |
| Terminal Capacity Load.    | 10 mm <sup>2</sup>                                                                            |
| Terminal Torque Line.      | 2 Nm.                                                                                         |
| Terminal Torque Load       | 1.2 Nm.                                                                                       |
| IP Rating                  | IP20 when installed.                                                                          |
| Equipment Type             | Fixed                                                                                         |
| Weight                     | 156g.                                                                                         |



| B curve (218.5V)  |                                 |                               |
|-------------------|---------------------------------|-------------------------------|
| (I <sub>n</sub> ) | Max Z <sub>s</sub><br>(@0.4sec) | Max Z <sub>s</sub><br>(@5sec) |
| 2                 | 21.8                            | 24.27                         |
| 4                 | 10.9                            | 12.1                          |
| 6                 | 7.28                            | 8.09                          |
| 10                | 4.37                            | 4.86                          |
| 16                | 2.73                            | 3.03                          |
| 20                | 2.19                            | 2.43                          |
| 25                | 1.75                            | 1.94                          |
| 32                | 1.37                            | 1.52                          |
| 40                | 1.09                            | 1.21                          |
| 50                | 0.87                            | 0.97                          |
| 63                | 0.69                            | 0.77                          |

## Ambient temperature and current rating curve

