



## MCBs for industrial/residential applications

Available in B, C or D curves  
 Single, double and three pole  
 Positive Trip Indication  
 Accepts cables up to 25mm<sup>2</sup>

BSEN 60898  
 10KA rated  
 6A to 63A



### Single Pole

Rating	Description	Part No. B Curve	Part No. C Curve	Part No. D Curve
6A	Single Pole 6A 10KA	MCB-1B06	MCB-1C06	MCB-1D06
10A	Single Pole 10A 10KA	MCB-1B10	MCB-1C10	MCB-1D10
16A	Single Pole 16A 10KA	MCB-1B16	MCB-1C16	MCB-1D16
20A	Single Pole 20A 10KA	MCB-1B20	MCB-1C20	MCB-1D20
25A	Single Pole 25A 10KA	MCB-1B25	MCB-1C25	MCB-1D25
32A	Single Pole 32A 10KA	MCB-1B32	MCB-1C32	MCB-1D32
40A	Single Pole 40A 10KA	MCB-1B40	MCB-1C40	MCB-1D40
50A	Single Pole 50A 10KA	MCB-1B50	MCB-1C50	MCB-1D50
63A	Single Pole 63A 10KA	MCB-1B63	MCB-1C63	MCB-1D63

### Double Pole

Rating	Description	Part No. B Curve	Part No. C Curve	Part No. D Curve
6A	Double Pole 6A 10KA	MCB-2B06	MCB-2C06	MCB-2D06
10A	Double Pole 10A 10KA	MCB-2B10	MCB-2C10	MCB-2D10
16A	Double Pole 16A 10KA	MCB-2B16	MCB-2C16	MCB-2D16
20A	Double Pole 20A 10KA	MCB-2B20	MCB-2C20	MCB-2D20
25A	Double Pole 25A 10KA	MCB-2B25	MCB-2C25	MCB-2D25
32A	Double Pole 32A 10KA	MCB-2B32	MCB-2C32	MCB-2D32
40A	Double Pole 40A 10KA	MCB-2B40	MCB-2C40	MCB-2D40
50A	Double Pole 50A 10KA	MCB-2B50	MCB-2C50	MCB-2D50
63A	Double Pole 63A 10KA	MCB-2B63	MCB-2C63	MCB-2D63

### Three Pole

Rating	Description	Part No. B Curve	Part No. C Curve	Part No. D Curve
6A	Three Pole 6A 10KA	MCB-3B06	MCB-3C06	MCB-3D06
10A	Three Pole 10A 10KA	MCB-3B10	MCB-3C10	MCB-3D10
16A	Three Pole 16A 10KA	MCB-3B16	MCB-3C16	MCB-3D16
20A	Single Pole 20A 10KA	MCB-3B20	MCB-3C20	MCB-3D20
25A	Single Pole 25A 10KA	MCB-3B25	MCB-3C25	MCB-3D25
32A	Three Pole 32A 10KA	MCB-3B32	MCB-3C32	MCB-3D32
40A	Three Pole 40A 10KA	MCB-3B40	MCB-3C40	MCB-3D40
50A	Three Pole 50A 10KA	MCB-3B50	MCB-3C50	MCB-3D50
63A	Three Pole 63A 10KA	MCB-3B63	MCB-3C63	MCB-3D63



# PROTEK

Protek's Single, double and three pole mcbs are available in B, C or D Curves.

The mcbs are rated at 10KA and have Positive Contact Indication as standard.

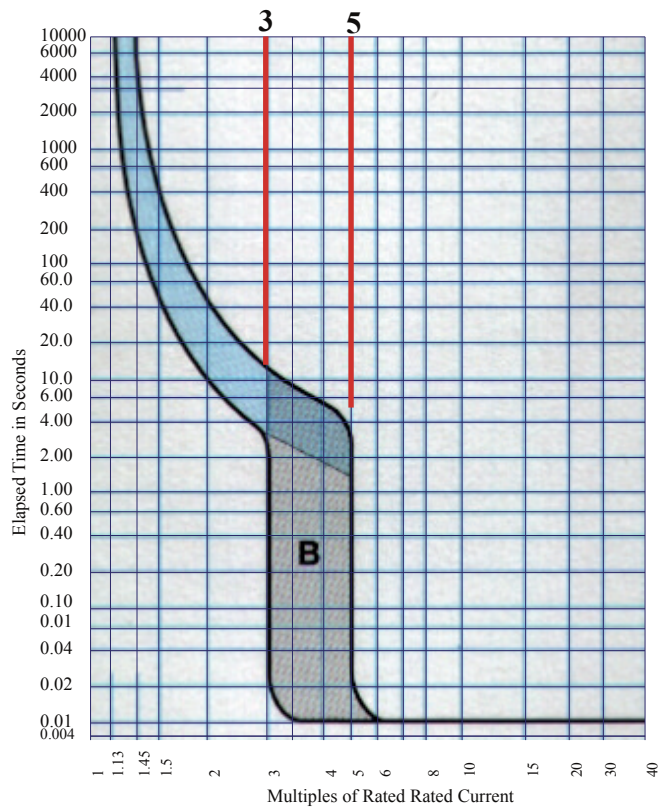


The tripping characteristics are displayed below:

### 'B' curve to BSEN 60898

Magnetic Trip 3 to 5 Times In

For use in domestic applications where the maximum sensitivity is required and there is very little in the way of equipment which would require a high start up current.



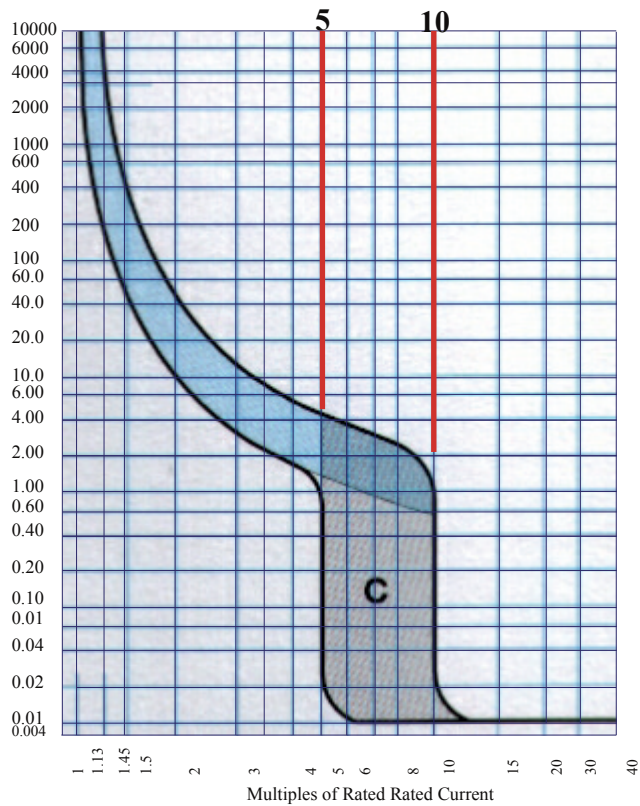
**Protek 'B' Curve**



### 'C' Curve to BSEN 60898 Magnetic Trip 5 to 10 Times In

Used in commercial and light industrial applications where close protection is not required and start up currents of devices can run up to 5 times rated current for a short period of time.

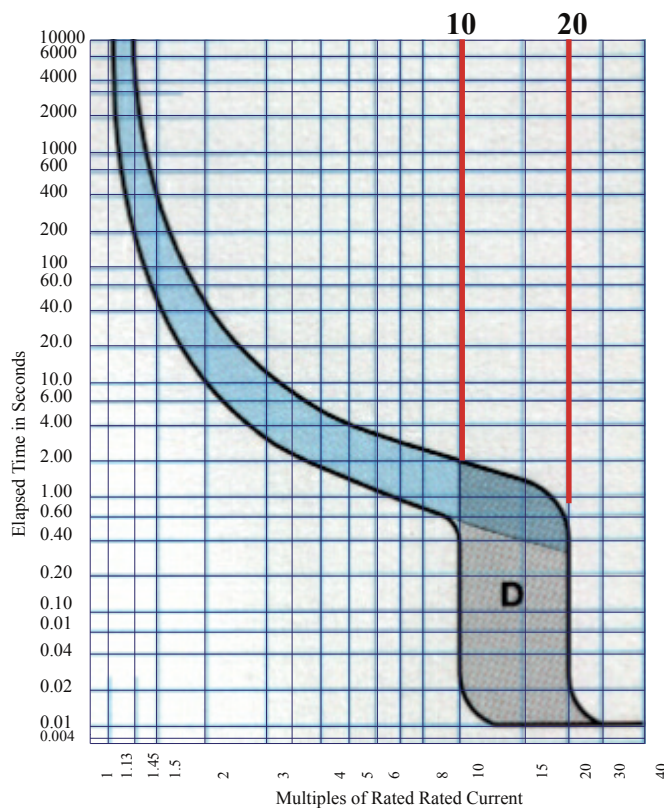
If a lot of low voltage lighting is used in a domestic environment then it would be prudent to fit C Type mcb due to the inrush current of the transformers thus avoiding nuisance tripping.



**Protek 'C' Curve**

### 'D' Curve to BSEN 60898 Magnetic Trip 10 to 20 Times In

Used in industrial applications where start up current may be 10 times the rated current. For example when using an electric motor with a DOL starter full load current would be at least 7 times the nominal running current. A large volume of low voltage lighting might also require a D type mcb.

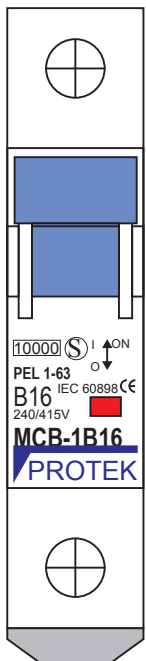
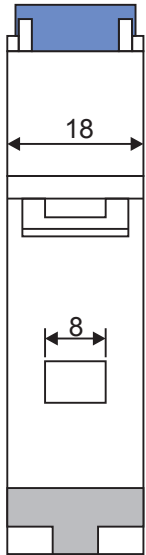


**Protek 'D' Curve**

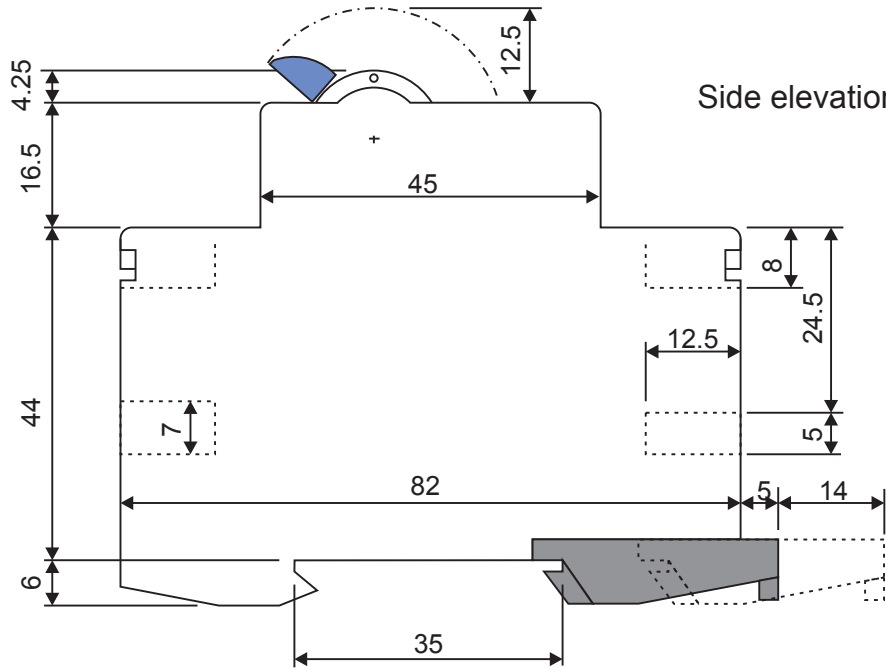


# PROTEK

Bottom elevation

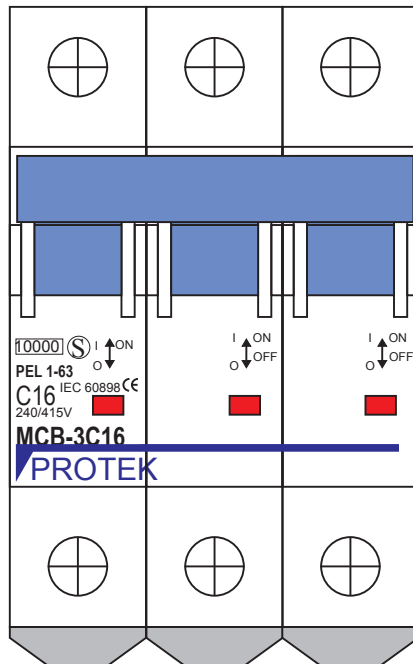


1 Pole



Side elevation

Front elevation



3 Pole

MCBs will accept cables up to 25mm<sup>2</sup> on both the incoming and outgoing terminals

phone **01543 46 75 75**  
fax **01543 46 23 70**  
email **sales@protekuk.co.uk**



**PROTEK**  
DS10KAMCB1