

## Miniature Circuit Breakers

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Bridging the **gap**

# Miniature Circuit Breakers

## Never compromise on price or quality

- Extensive range of MCB & RCD products
- Manufactured in accordance with IEC 60898-1
- RoHS compliant
- Finest quality materials synonymous with IMO brand
- Prices that are hard to beat



## IMO MCBs Bridge the Gap

Available from stock, IMO's complete range of MCB, RCD and Isolating Switches, deliver the finest quality at competitive prices.

MCBs are available in 1P, 1P+N, 2P, 3P and 3P+N, current range from 2A to 63A. An addition to the range is our B4 single width 1P+N MCB, where space is a premium the B4 could be the solution where neutral switching is required.

The MCB design incorporates a protective indicator and utilises a secured plastic window to facilitate identification labelling, whilst the units also offer a test point facility\*, and improved mechanism for extended life with an enhanced Din Rail fitting mechanism.

A full range of accessories is also available from stock, Busbars, Auxiliary contacts, Locking device, etc.

IMO RCDs are suitable for detecting residual leakage current in electrical installations and tripping to a safe off state when needed. These devices are available in both RCCB (Residual Current) and RCBO (Residual and over current) configurations. The RCCB range is available from stock in 1P+N and 3P+N, current range from 10A to 63A and 30mA residual current protection. The RCBO range and alternative rated RCCB are available on request.

To complete the range, IMO Isolating Switches are the same shape as the MCBs and allow overall isolation of the power to the MCBs and RCDs.

\* except B4 range



## RCCB

Residual Current Circuit Breaker



## RCBO

Residual Current Breaker  
with Overcurrent

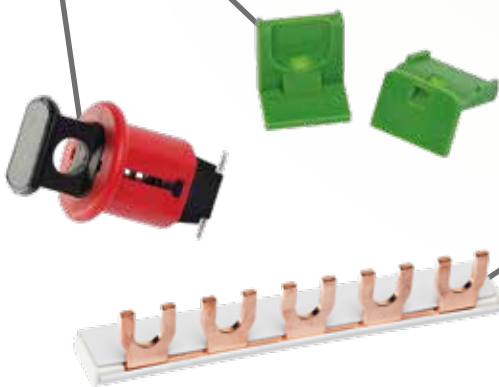


## MCB

Miniature Circuit Breaker



## Accessories



## Auxiliary



## Isolator



## Miniature Circuit Breakers B4/B6/B10



The IMO range of Miniature Circuit Breakers has been designed for protection of electrical installations against overload and short circuits, and is manufactured in accordance with IEC 60898-1.

- Bridge The Gap - High quality, highly competitive
- Indicator window displays true contact status (not lever position)
- Independent tripping and trip to central position
- 10kA version as standard for industrial use
- Manufactured in accordance with IEC 60898-1
- CE, VDE, Kema Keur & RCM approved
- RoHS 2 compliant

Tripping characteristics in accordance with B, C and D type curves:-

- Curve B:  $3-5 I_n$  Certification:
- Curve C:  $5-10 I_n$  B4/B6: CE
- Curve D:  $10-20 I_n$  B10: CE / VDE / Kema Keur / RCM



### Selection Chart

| Type                 |    | B<br>Operating Characteristics |     | C<br>Operating Characteristics |     |     |     | D<br>Operating Characteristics |     |     |
|----------------------|----|--------------------------------|-----|--------------------------------|-----|-----|-----|--------------------------------|-----|-----|
| Poles                |    | 1                              | 1   | 1N                             | 2   | 3   | 3N  | 1                              | 2   | 3   |
| Rated Current (Amps) | 2  |                                |     |                                |     |     |     |                                |     |     |
|                      | 4  |                                |     |                                |     |     |     |                                |     |     |
|                      | 6  |                                |     |                                |     |     |     |                                |     |     |
|                      | 10 |                                |     |                                |     |     |     |                                |     |     |
|                      | 16 |                                |     |                                |     |     |     |                                |     |     |
|                      | 20 |                                |     |                                |     |     |     |                                |     |     |
|                      | 25 |                                |     |                                |     |     |     |                                |     |     |
|                      | 32 |                                |     |                                |     |     |     |                                |     |     |
|                      | 40 |                                |     |                                |     |     |     |                                |     |     |
|                      | 50 |                                |     |                                |     |     |     |                                |     |     |
|                      | 63 |                                |     |                                |     |     |     |                                |     |     |
| Weight (g)           |    | 100                            | 100 | 200                            | 200 | 300 | 400 | 100                            | 200 | 300 |
| Packing (pc)         |    | 12                             | 12  | 6                              | 6   | 4   | 3   | 12                             | 6   | 4   |

Available types: Please contact IMO:  4.5kA:  6kA:  10kA:

Please Note: For any related item not shown in this brochure, please contact IMO for availability.

## MCB 10kA

| Part Number | Description                    |
|-------------|--------------------------------|
| B10C1002A   | MCB 10kA C Curve 1 Pole 2 Amp  |
| B10C1004A   | MCB 10kA C Curve 1 Pole 4 Amp  |
| B10C1006A   | MCB 10kA C Curve 1 Pole 6 Amp  |
| B10C1010A   | MCB 10kA C Curve 1 Pole 10 Amp |
| B10C1016A   | MCB 10kA C Curve 1 Pole 16 Amp |
| B10C1020A   | MCB 10kA C Curve 1 Pole 20 Amp |
| B10C1025A   | MCB 10kA C Curve 1 Pole 25 Amp |
| B10C1032A   | MCB 10kA C Curve 1 Pole 32 Amp |
| B10C1040A   | MCB 10kA C Curve 1 Pole 40 Amp |
| B10C1050A   | MCB 10kA C Curve 1 Pole 50 Amp |
| B10C1063A   | MCB 10kA C Curve 1 Pole 63 Amp |

|           |                                |
|-----------|--------------------------------|
| B10C2002A | MCB 10kA C Curve 2 Pole 2 Amp  |
| B10C2004A | MCB 10kA C Curve 2 Pole 4 Amp  |
| B10C2006A | MCB 10kA C Curve 2 Pole 6 Amp  |
| B10C2010A | MCB 10kA C Curve 2 Pole 10 Amp |
| B10C2016A | MCB 10kA C Curve 2 Pole 16 Amp |
| B10C2020A | MCB 10kA C Curve 2 Pole 20 Amp |
| B10C2025A | MCB 10kA C Curve 2 Pole 25 Amp |
| B10C2032A | MCB 10kA C Curve 2 Pole 32 Amp |
| B10C2040A | MCB 10kA C Curve 2 Pole 40 Amp |
| B10C2050A | MCB 10kA C Curve 2 Pole 50 Amp |
| B10C2063A | MCB 10kA C Curve 2 Pole 63 Amp |

|           |                                |
|-----------|--------------------------------|
| B10C3002A | MCB 10kA C Curve 3 Pole 2 Amp  |
| B10C3004A | MCB 10kA C Curve 3 Pole 4 Amp  |
| B10C3006A | MCB 10kA C Curve 3 Pole 6 Amp  |
| B10C3010A | MCB 10kA C Curve 3 Pole 10 Amp |
| B10C3016A | MCB 10kA C Curve 3 Pole 16 Amp |
| B10C3020A | MCB 10kA C Curve 3 Pole 20 Amp |
| B10C3025A | MCB 10kA C Curve 3 Pole 25 Amp |
| B10C3032A | MCB 10kA C Curve 3 Pole 32 Amp |
| B10C3040A | MCB 10kA C Curve 3 Pole 40 Amp |
| B10C3050A | MCB 10kA C Curve 3 Pole 50 Amp |
| B10C3063A | MCB 10kA C Curve 3 Pole 63 Amp |

|           |                                    |
|-----------|------------------------------------|
| B10C3N10A | MCB 10kA C Curve 3 Pole + N 10 Amp |
| B10C3N16A | MCB 10kA C Curve 3 Pole + N 16 Amp |
| B10C3N20A | MCB 10kA C Curve 3 Pole + N 20 Amp |
| B10C3N25A | MCB 10kA C Curve 3 Pole + N 25 Amp |
| B10C3N32A | MCB 10kA C Curve 3 Pole + N 32 Amp |
| B10C3N40A | MCB 10kA C Curve 3 Pole + N 40 Amp |

|           |                                |
|-----------|--------------------------------|
| B10D1002A | MCB 10kA D Curve 1 Pole 2 Amp  |
| B10D1004A | MCB 10kA D Curve 1 Pole 4 Amp  |
| B10D1006A | MCB 10kA D Curve 1 Pole 6 Amp  |
| B10D1010A | MCB 10kA D Curve 1 Pole 10 Amp |
| B10D1016A | MCB 10kA D Curve 1 Pole 16 Amp |
| B10D1020A | MCB 10kA D Curve 1 Pole 20 Amp |
| B10D1025A | MCB 10kA D Curve 1 Pole 25 Amp |
| B10D1032A | MCB 10kA D Curve 1 Pole 32 Amp |
| B10D1040A | MCB 10kA D Curve 1 Pole 40 Amp |
| B10D1050A | MCB 10kA D Curve 1 Pole 50 Amp |
| B10D1063A | MCB 10kA D Curve 1 Pole 63 Amp |

| Part Number | Description                    |
|-------------|--------------------------------|
| B10D2002A   | MCB 10kA D Curve 2 Pole 2 Amp  |
| B10D2004A   | MCB 10kA D Curve 2 Pole 4 Amp  |
| B10D2006A   | MCB 10kA D Curve 2 Pole 6 Amp  |
| B10D2010A   | MCB 10kA D Curve 2 Pole 10 Amp |
| B10D2016A   | MCB 10kA D Curve 2 Pole 16 Amp |
| B10D2020A   | MCB 10kA D Curve 2 Pole 20 Amp |
| B10D2025A   | MCB 10kA D Curve 2 Pole 25 Amp |
| B10D2032A   | MCB 10kA D Curve 2 Pole 32 Amp |
| B10D2040A   | MCB 10kA D Curve 2 Pole 40 Amp |
| B10D2050A   | MCB 10kA D Curve 2 Pole 50 Amp |
| B10D2063A   | MCB 10kA D Curve 2 Pole 63 Amp |

|           |                                |
|-----------|--------------------------------|
| B10D3002A | MCB 10kA D Curve 3 Pole 2 Amp  |
| B10D3004A | MCB 10kA D Curve 3 Pole 4 Amp  |
| B10D3006A | MCB 10kA D Curve 3 Pole 6 Amp  |
| B10D3010A | MCB 10kA D Curve 3 Pole 10 Amp |
| B10D3016A | MCB 10kA D Curve 3 Pole 16 Amp |
| B10D3020A | MCB 10kA D Curve 3 Pole 20 Amp |
| B10D3025A | MCB 10kA D Curve 3 Pole 25 Amp |
| B10D3032A | MCB 10kA D Curve 3 Pole 32 Amp |
| B10D3040A | MCB 10kA D Curve 3 Pole 40 Amp |
| B10D3050A | MCB 10kA D Curve 3 Pole 50 Amp |
| B10D3063A | MCB 10kA D Curve 3 Pole 63 Amp |

## MCB 6kA

| Part Number | Description                   |
|-------------|-------------------------------|
| B6B1002A    | MCB 6kA B Curve 1 Pole 2 Amp  |
| B6B1004A    | MCB 6kA B Curve 1 Pole 4 Amp  |
| B6B1006A    | MCB 6kA B Curve 1 Pole 6 Amp  |
| B6B1010A    | MCB 6kA B Curve 1 Pole 10 Amp |
| B6B1016A    | MCB 6kA B Curve 1 Pole 16 Amp |
| B6B1020A    | MCB 6kA B Curve 1 Pole 20 Amp |
| B6B1025A    | MCB 6kA B Curve 1 Pole 25 Amp |
| B6B1032A    | MCB 6kA B Curve 1 Pole 32 Amp |
| B6B1040A    | MCB 6kA B Curve 1 Pole 40 Amp |
| B6B1050A    | MCB 6kA B Curve 1 Pole 50 Amp |
| B6B1063A    | MCB 6kA B Curve 1 Pole 63 Amp |

## MCB 4.5kA

| Part Number | Description                     |
|-------------|---------------------------------|
| B4C1N02A    | MCB 4.5kA C Curve 1 Pole 2 Amp  |
| B4C1N04A    | MCB 4.5kA C Curve 1 Pole 4 Amp  |
| B4C1N06A    | MCB 4.5kA C Curve 1 Pole 6 Amp  |
| B4C1N10A    | MCB 4.5kA C Curve 1 Pole 10 Amp |
| B4C1N16A    | MCB 4.5kA C Curve 1 Pole 16 Amp |
| B4C1N20A    | MCB 4.5kA C Curve 1 Pole 20 Amp |
| B4C1N25A    | MCB 4.5kA C Curve 1 Pole 25 Amp |
| B4C1N32A    | MCB 4.5kA C Curve 1 Pole 32 Amp |

# Miniature Circuit Breakers BR6



IMO's new range of BR6 Miniature Circuit Breakers offer 6kA short circuit breaking capacity designed for use in domestic, light industrial and commercial applications. As with all IMO MCBs, the new BR6 range deliver the finest quality at competitive prices.

BR6 MCBs are available in B and C Type characteristic tripping curves, and with 1P, 2P or 3P configurations, and are all manufactured in accordance with IEC 60898-1.

## MCB BR6 (6kA)

| Part Number | Description                   |
|-------------|-------------------------------|
| BR6B1001A   | MCB 6kA B Curve 1 Pole 1 Amp  |
| BR6B1002A   | MCB 6kA B Curve 1 Pole 2 Amp  |
| BR6B1004A   | MCB 6kA B Curve 1 Pole 4 Amp  |
| BR6B1006A   | MCB 6kA B Curve 1 Pole 6 Amp  |
| BR6B1010A   | MCB 6kA B Curve 1 Pole 10 Amp |
| BR6B1016A   | MCB 6kA B Curve 1 Pole 16 Amp |
| BR6B1020A   | MCB 6kA B Curve 1 Pole 20 Amp |
| BR6B1025A   | MCB 6kA B Curve 1 Pole 25 Amp |
| BR6B1032A   | MCB 6kA B Curve 1 Pole 32 Amp |
| BR6B1040A   | MCB 6kA B Curve 1 Pole 40 Amp |
| BR6B1050A   | MCB 6kA B Curve 1 Pole 50 Amp |
| BR6B1063A   | MCB 6kA B Curve 1 Pole 63 Amp |

|           |                               |
|-----------|-------------------------------|
| BR6C1001A | MCB 6kA C Curve 1 Pole 1 Amp  |
| BR6C1002A | MCB 6kA C Curve 1 Pole 2 Amp  |
| BR6C1004A | MCB 6kA C Curve 1 Pole 4 Amp  |
| BR6C1006A | MCB 6kA C Curve 1 Pole 6 Amp  |
| BR6C1010A | MCB 6kA C Curve 1 Pole 10 Amp |
| BR6C1016A | MCB 6kA C Curve 1 Pole 16 Amp |
| BR6C1020A | MCB 6kA C Curve 1 Pole 20 Amp |
| BR6C1025A | MCB 6kA C Curve 1 Pole 25 Amp |
| BR6C1032A | MCB 6kA C Curve 1 Pole 32 Amp |
| BR6C1040A | MCB 6kA C Curve 1 Pole 40 Amp |
| BR6C1050A | MCB 6kA C Curve 1 Pole 50 Amp |
| BR6C1063A | MCB 6kA C Curve 1 Pole 63 Amp |

| Part Number | Description                   |
|-------------|-------------------------------|
| BR6C2001A   | MCB 6kA C Curve 2 Pole 1 Amp  |
| BR6C2002A   | MCB 6kA C Curve 2 Pole 2 Amp  |
| BR6C2004A   | MCB 6kA C Curve 2 Pole 4 Amp  |
| BR6C2006A   | MCB 6kA C Curve 2 Pole 6 Amp  |
| BR6C2010A   | MCB 6kA C Curve 2 Pole 10 Amp |
| BR6C2016A   | MCB 6kA C Curve 2 Pole 16 Amp |
| BR6C2020A   | MCB 6kA C Curve 2 Pole 20 Amp |
| BR6C2025A   | MCB 6kA C Curve 2 Pole 25 Amp |
| BR6C2032A   | MCB 6kA C Curve 2 Pole 32 Amp |
| BR6C2040A   | MCB 6kA C Curve 2 Pole 40 Amp |
| BR6C2050A   | MCB 6kA C Curve 2 Pole 50 Amp |
| BR6C2063A   | MCB 6kA C Curve 2 Pole 63 Amp |

|           |                               |
|-----------|-------------------------------|
| BR6C3001A | MCB 6kA C Curve 3 Pole 1 Amp  |
| BR6C3002A | MCB 6kA C Curve 3 Pole 2 Amp  |
| BR6C3004A | MCB 6kA C Curve 3 Pole 4 Amp  |
| BR6C3006A | MCB 6kA C Curve 3 Pole 6 Amp  |
| BR6C3010A | MCB 6kA C Curve 3 Pole 10 Amp |
| BR6C3016A | MCB 6kA C Curve 3 Pole 16 Amp |
| BR6C3020A | MCB 6kA C Curve 3 Pole 20 Amp |
| BR6C3025A | MCB 6kA C Curve 3 Pole 25 Amp |
| BR6C3032A | MCB 6kA C Curve 3 Pole 32 Amp |
| BR6C3040A | MCB 6kA C Curve 3 Pole 40 Amp |
| BR6C3050A | MCB 6kA C Curve 3 Pole 50 Amp |
| BR6C3063A | MCB 6kA C Curve 3 Pole 63 Amp |



## Residual Current Devices



### RCCB Type AC

| Part Number | Description                      |
|-------------|----------------------------------|
| B10R2025-30 | RCCB 10kA 30mA 1 Pole + N 25 Amp |
| B10R2032-30 | RCCB 10kA 30mA 1 Pole + N 32 Amp |
| B10R2040-30 | RCCB 10kA 30mA 1 Pole + N 40 Amp |
| B10R2063-30 | RCCB 10kA 30mA 1 Pole + N 63 Amp |

|             |                                  |
|-------------|----------------------------------|
| B10R4025-30 | RCCB 10kA 30mA 3 Pole + N 25 Amp |
| B10R4032-30 | RCCB 10kA 30mA 3 Pole + N 32 Amp |
| B10R4040-30 | RCCB 10kA 30mA 3 Pole + N 40 Amp |
| B10R4063-30 | RCCB 10kA 30mA 3 Pole + N 63 Amp |

### RCBO Type A

| Part Number   | Description                             |
|---------------|-----------------------------------------|
| B6BR1N06-30-A | RCBO 6kA B Curve 30mA 1 Pole + N 6 Amp  |
| B6BR1N10-30-A | RCBO 6kA B Curve 30mA 1 Pole + N 10 Amp |
| B6BR1N16-30-A | RCBO 6kA B Curve 30mA 1 Pole + N 16 Amp |
| B6BR1N20-30-A | RCBO 6kA B Curve 30mA 1 Pole + N 20 Amp |
| B6BR1N25-30-A | RCBO 6kA B Curve 30mA 1 Pole + N 25 Amp |
| B6BR1N32-30-A | RCBO 6kA B Curve 30mA 1 Pole + N 30 Amp |
| B6BR1N40-30-A | RCBO 6kA B Curve 30mA 1 Pole + N 40 Amp |

|               |                                         |
|---------------|-----------------------------------------|
| B6CR1N06-30-A | RCBO 6kA C Curve 30mA 1 Pole + N 6 Amp  |
| B6CR1N10-30-A | RCBO 6kA C Curve 30mA 1 Pole + N 10 Amp |
| B6CR1N16-30-A | RCBO 6kA C Curve 30mA 1 Pole + N 16 Amp |
| B6CR1N20-30-A | RCBO 6kA C Curve 30mA 1 Pole + N 20 Amp |
| B6CR1N25-30-A | RCBO 6kA C Curve 30mA 1 Pole + N 25 Amp |
| B6CR1N32-30-A | RCBO 6kA C Curve 30mA 1 Pole + N 30 Amp |
| B6CR1N40-30-A | RCBO 6kA C Curve 30mA 1 Pole + N 40 Amp |

|               |                                         |
|---------------|-----------------------------------------|
| B6DR1N06-30-A | RCBO 6kA D Curve 30mA 1 Pole + N 6 Amp  |
| B6DR1N10-30-A | RCBO 6kA D Curve 30mA 1 Pole + N 10 Amp |
| B6DR1N16-30-A | RCBO 6kA D Curve 30mA 1 Pole + N 16 Amp |
| B6DR1N20-30-A | RCBO 6kA D Curve 30mA 1 Pole + N 20 Amp |
| B6DR1N25-30-A | RCBO 6kA D Curve 30mA 1 Pole + N 25 Amp |
| B6DR1N32-30-A | RCBO 6kA D Curve 30mA 1 Pole + N 30 Amp |
| B6DR1N40-30-A | RCBO 6kA D Curve 30mA 1 Pole + N 40 Amp |

## Isolating Switches

| Part Number | Description    |
|-------------|----------------|
| BIS1063A    | 1 Pole 63 Amp  |
| BIS2063A    | 2 Pole 63 Amp  |
| BIS2125A    | 2 Pole 125 Amp |
| BIS3063A    | 3 Pole 63 Amp  |
| BIS4063A    | 4 Pole 63 Amp  |
| BIS4125A    | 4 Pole 125 Amp |
| BIS2100C    | 2 Pole 100 Amp |



## Accessories

| Part Number   | Description                        |
|---------------|------------------------------------|
| BA1           | MCB Terminal Adaptor               |
| B10-TERM      | MCB Terminal Blanking Cap          |
| B10-F3        | MCB Aux Contact 1PCO 6A            |
| B10-S3        | MCB Shunt Trip                     |
| B10-LOCK      | MCB Lock Device (Padlock Not Inc)  |
| B10BB1F100-1M | MCB Busbar 1P 100 Amp 1m Fork Type |
| B10BB3F100-1M | MCB Busbar 3P 100 Amp 1m Fork Type |
| B10BB1P100-1M | MCB Busbar 1P 100 Amp 1m Pin Type  |
| B10BB3P100-1M | MCB Busbar 3P 100 Amp 1m Pin Type  |
| B10BBCAP1     | End Cap for 1P Busbar              |
| B10BBCAP3     | End Cap for 3P Busbar              |



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