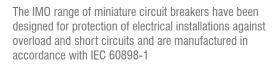
Miniature Circuit Breakers B4/B6/B10



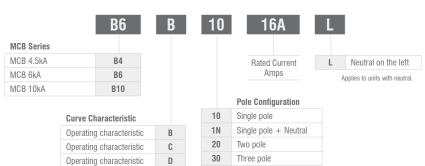
Technical Data

- Handle central-tripping function for circuit fault indicating
- New front design; cover and handle in arc shape
- Contact position indicating window; transparent cover to carry label
- High short circuit capacity
- Suitable for terminal and Pin/Fork type busbar connection
- Finger protected connection terminals
- Handle padlock device

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

- Curve B: 3-5 I
 Certification:
- Curve C: 5-10["]I_ B4: Semko / CE
- Curve D: 10-20["]I_ B10: VDE / Semko / CE

Options & Ordering Codes



3N

Three pole + Neutral

Specifications

In accordance with		IEC 60898-1
Certification		CE, SEMKO (only with B4), Kema (only with B10), RCM (only with B4 & B10)
Pole composition		1P, 1P+N, 2P, 3P, 3P+N
Tripping Curve		B, C, D
Calibration temperature		+30°C
Rated frequency		50/60Hz
Rated operational voltage		240/415VAC; 60VDC Max
Rated insulation voltage		240VAC / 415VAC
Rated impulse withstand voltage:		6.2kV
Rated short circuit breaking	B4	1P+N, C curve: 4.5kA
capacity as per IEC 60898-1	B6	1P, B curve: 6kA
and IEC60947-2	B10	1P/2P/3P/3P+N, C & D curve: 10kA
Mechanical lifetime		> 20,000 cycles
Electrical lifetime		> 8,000 cycles
Tightening torque		2.0 Nm
Screw Type		M5
Terminal capacity		35mm ² solid, 25mm ² stranded conductor (10mm ² for 1P+N)
Mounting		DIN Rail EN 60715 (EN 50022)
Protection degree		IP20
Operating temperature		-5°C +40°C





Selection Chart



Single Module Unit



Miniature Circuit Breakers B4/B6/B10

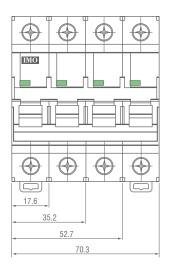


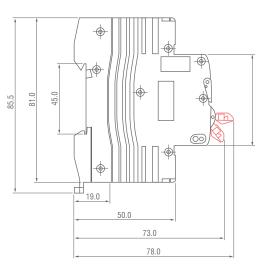
Accessories

Auxiliary Switch	B10-F3	
For monitoring the status of the protection device	e (open/closed)	
1 pole changeover (for C & D curve only)		
Rated current: 6A @ 230VAC & 24VDC or 3A @	2 400VAC	
Dielectric Strength: 2000V/1min		
Terminal Capacity: 1-4mm ²		
Mounting on the Left side		
Shunt Trip	B10-S3	
Shunt Trip to remotely switch off the protection of	levice	
Rating voltage Ue: AC 110V / 230V / 400V		
Oving Voltage: 70%~110% X Ue		
Mounting on the Left side		

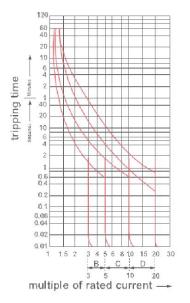
Busbars	
Description	Ref.
Busbar 1 Pole, 80A, Fork Type, 1M	B10BB1F100-1M
Busbar 3 Pole, 80A, Fork Type, 1M	B10BB3F100-1M
Busbar 1 Pole, 80A, Pin Type, 1M	B10BB1P100-1M
Busbar 3 Pole, 80A, Pin Type, 1M	B10BB3P100-1M
End Cap 3 Pole (Fork type only)	B10BBCAP3F100
Terminal Adapter	BA1
Locking Device	B10-LOCK
4mm padlock max diameter, non included	
Locking Device	B10-TERM

Dimensions (mm) Miniature Circuit Breakers

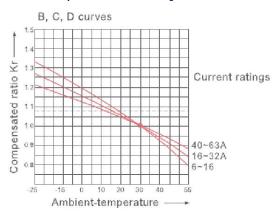




B, C, D Tripping Curve



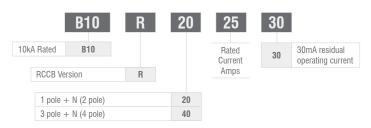
Ambient temperature & Current rating curve



Residual Current Circuit Breakers B10R

The IMO range of Residual Current Circuit Breakers have been designed for protection of electrical installations against earth fault / leakage current and are manufactured in accordance with IEC 61008-1.

Options & Ordering Codes



Technical Dat



Specifications

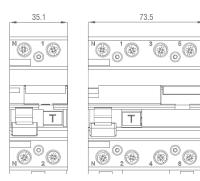
In accordance with	IEC 61008-1
Certification	CE, SEMKO
Pole composition	2P, 4P
Rated current:	10A (only 2P), 16A, 25A, 32A, 40A, 63A
Residual current characteristics:	AC
Calibration Temperature:	+30°C
Rated frequency:	50/60Hz
Rated voltage:	230VAC/400VAC
Rated residual operating current IAn:	30mA
Max. Switching Time@ I∆n:	100ms
Residual tripping current range:	0.5 l∆n ~ 1 l∆n
Rated conditional short circuit current:	10kA
Electrical lifetime	> 4,000 cycles
Fastening torque:	2.0Nm
Terminal capacity:	35mm ² solid, 25mm ² stranded conductor
Mounting on	DIN Rail EN 60715 (EN 50022)
Protection degree:	IP20
Operating temperature:	-25°C - +55°C

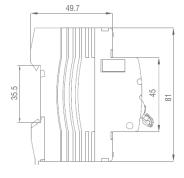
Selection Chart

CE S

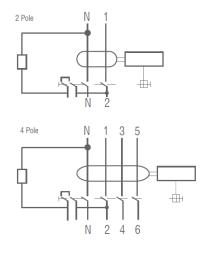
Туре		Operating Characteristics		
Poles		2N	3N	
	10			
	16			
	25			
	32			
	40			
	63			
Weight	(g/pc)	206	412	
Packin	g (Qty)	6	3	

Overall & Installation Dimensions





Wiring Diagram





Residual Current Circuit Breakers With Overload Protection

The IMO range of Residual Current-Circuit Breakers with Overload have been designed for protection of electrical installations against earth fault / leakage current, overload and short circuit and are manufactured in accordance with IEC 61009.

RCBO Features

- Provides protection against earth fault / leakage current, .
- overload, short circuit and function of isolation •
- Elegant appearance; cover and handle in arc shape. .
- Contact position indicating window; transparent cover to carry label •
- High short circuit current withstand capacity •
- Applicable to terminal and Pin/Fork type busbar connection .
- Finger protected connection terminals •
- Compatible with MCB accessories range .
- Handle padlock device •

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

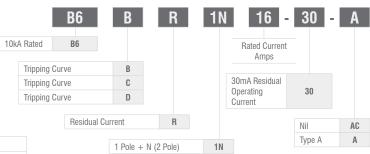
Curve B: 3-5 I .

Specifications

- Curve C: 5-10 I .
- Curve D: 10-20 I

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Options & Ordering Codes



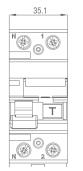
IEC 61009
CE, SEMKO, RCM
2P
AC, A
B, C, D
+30°C
6A, 10A, 16A, 20A, 25A, 32A, 40A
10kA
50/60Hz
230VAC
30mA
0.5 l∆n ~ 1 l∆n
> 4,000 cycles
2.0Nm
35mm ² solid, 25mm ² stranded conductor
DIN rail EN 60715 (EN 50022)
IP20

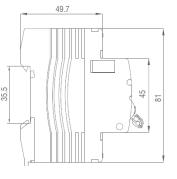
-25°C - +550°C

200

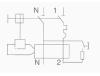
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Dimensions (mm)





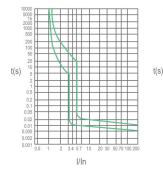
Wiring Diagram



Tripping Curve B

Operating temperature range:

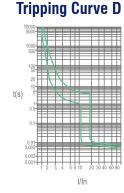
For Dimensions refer to RCCB Data. For Tripping Curve refer to MCB.



For more information visit www.imopc.com

Tripping Curve C

I/In



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REF: B4/B6/B10 Datasheet 0719



BIS Isolating Switches

The IMO range of isolating switch have been designed to isolate safely your electrical circuit from the main supply and are manufactured in accordance with IEC 60947-3.

- · Capable of switch electric circuit with load
- · Elegant appearance; cover and handle in arc shape
- Contact position indicating window; transparent cover to carry label
- Applicable to terminal and Pin/Fork type busbar connection
- · Finger protected connection terminals
- · Compatible with MCB accessories range
- Handle padlock device

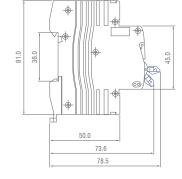
CE

Options & Ordering Codes

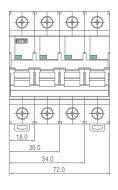
	BIS	2	063A	
Distribution board Isolating Switch	BIS			
	1 Pole	1	N32A	Compact Size, Blue Handle, 32A
	2 Pole	2	063A	63 Amps
	3 Pole	3	1000	100 Amps
	4 Pole	4	125A	125 Amps
			250A	250 Amps

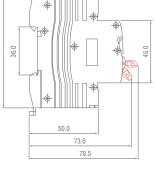
Dimensions (mm) for Compact 32A version

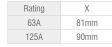




Dimensions (mm) for 63A & 125A version







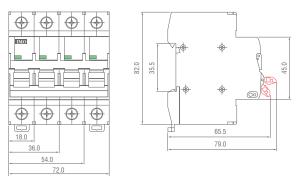




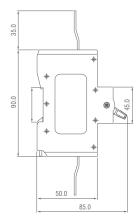
Specifications

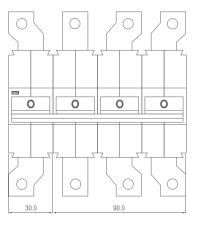
In accordance with	IEC 60947-3
Certification	CE, SEMKO (63 and 125A only)
Pole composition	1P / 2P / 3P / 4P
Rated current	32A / 63A / 100A / 125A / 250A
Rated voltage	AC 230 / 400V
Rated frequency	50/60Hz
Rated short circuit capacity	6kA (3kA for 100A version)
Electrical lifetime	> 10,000 cycles
Fastening torque	2.0Nm
Terminal capacity	35mm ² solid, 25mm ² stranded conductor
Protection degree	IP20

Dimensions (mm) for 100A version



Dimensions (mm) for 250A version







Technical Datasheet

Residual Current Circuit Breakers With Overload Protection 1P+N Single Module

The IMO range of Residual Current-Circuit Breakers with Overload have been designed for protection of electrical installations against earth fault / leakage current, overload and short circuit and are manufactured in accordance with IEC 61009-1.

RCBO Features

- Provides protection against earth fault / leakage current, overload, short circuit and function of isolation
- Elegant appearance; cover and handle in arc shape.
- Single width module RCBO, 119mm tall
- Contact position indicating window; transparent cover to carry label
- · High short circuit current withstand capacity
- Applicable to terminal and Pin/Fork type busbar connection (line input only)
- Finger protected connection terminals
- Compatible with MCB accessories range
- Handle padlock device

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

- Curve B: 3-5 I
- Curve C: 5-10[°]I
- Curve D: 10-20[°]I

Specifications

In accordance with	IEC 61009-1
Certification	CE
Pole composition	3P+N
Residual current characteristics	AC
Tripping Curve	B, C, D
Rated current	6A, 10A, 16A, 20A, 25A, 32A
Rated short circuit capacity	10 kA
Calibration Temperature	+30°C
Rated frequency	50/60Hz
Rated voltage	230/400VAC
Rated residual operating current I∆n	30mA
Residual tripping current range	$0.5 I\Delta n \sim 1 I\Delta n$
Electrical lifetime	> 4,000 cycles
Fastening torque	2.0 Nm
Terminal capacity (Live input)	35mm ² solid or 25mm ² stranded
Terminal capacity (ouput)	10mm ² solid or 6mm ² stranded
Mounting on	DIN rail EN 60715 (EN 50022)
Protection degree	IP20
Operating temperature	-25°C - +55°C

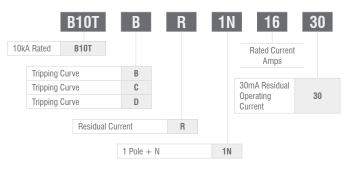
Dimensions (mm) for 1P + N: 1 module (18W x 119H x 69D) For Tripping Curve refer to MCB.



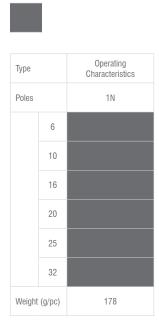


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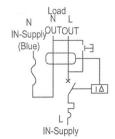
Options & Ordering Codes

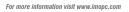


Selection Chart



Wiring Diagram





Residual Current Circuit Breakers With Overload Protection 3P+N

The IMO range of Residual Current-Circuit Breakers with Overload have been designed for protection of electrical installations against earth fault / leakage current, overload and short circuit and are manufactured in accordance with IEC 61009-1.

RCBO Features

- Provides protection against earth fault / leakage current, overload, short circuit and function of isolation
- Elegant appearance; cover and handle in arc shape.
- 3P+N version, 5 module width RCBO, 119mm tall
- Contact position indicating window; transparent cover to carry label
- High short circuit current withstand capacity
- · Applicable to terminal and Pin/Fork type busbar connection
- Finger protected connection terminals
- Compatible with MCB accessories range
- Handle padlock device

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

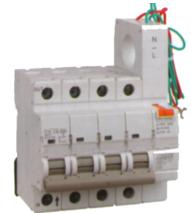
- Curve B: 3-5 I
- Curve C: 5-10[°]I
- Curve D: 10-20[°]I

Specifications

In accordance with	IEC 61009-1
Certification	CE
Pole composition	3P+N
Residual current characteristics	AC
Tripping Curve	B, C, D
Rated current	6A, 10A, 16A, 20A, 25A, 32A
Rated short circuit capacity	10 kA
Calibration Temperature	+30°C
Rated frequency	50/60Hz
Rated voltage	230/400VAC
Rated residual operating current IAn	30mA
Residual tripping current range	0.5 l∆n ~ 1 l∆n
Electrical lifetime	> 4,000 cycles
Fastening torque	2.0 Nm
Terminal capacity	35mm ² solid or 25mm ² stranded
Mounting on	DIN rail EN 60715 (EN 50022)
Protection degree	IP20
Operating temperature	-25°C - +55°C

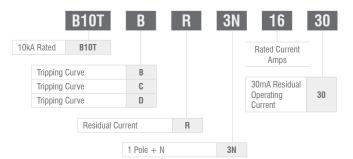
Dimensions (mm) for 3P+N: 4 module (72W x 81H x 69D) + 1 module (18W x 130H x 69D). For Tripping Curve refer to MCB.



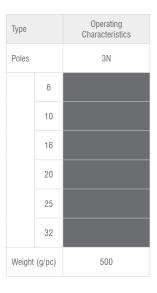


CE

Options & Ordering Codes



Selection Chart



Wiring Diagram

