

Miniature Circuit Breakers BR6

The IMO range of miniature circuit breakers have been designed for protection of electrical installations against overload and short circuits and are manufactured in accordance with IEC60898-1



- New front design; cover and handle in arc shape.
- Transparent cover to carry label
- 6kA short circuit capacity
- Applicable to 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_n
- Curve C: 5-10 I_n
- Curve D: 10-20 I_n

Specifications

In Accordance With	IEC 60898-1
Certification	CE, SEMKO
Pole Composition	1P, 1P+N, 2P, 3P, 3P+N, 4P
Tripping Curve	B, C, D
Calibration Temperature	+30°C
Rated Frequency	50 / 60Hz
Rated Operational Voltage	230VAC / 400VAC
Rated Insulation Voltage	250VAC / 500VAC
Rated Impulse Withstand Voltage	6.2kV
Rated Short Circuit Breaking Capacity (as per IEC 60898-1)	6kA
Electrical Lifetime	≥4,000 cycles
Fastening Torque	2.0Nm
Terminal Capacity	35mm ² solid, 25mm ² stranded conductor
Mounting on Rail	EN 60715 (EN 50022)
Protection Degree	IP20
Operating Temperature	-5°C ~ +40°C
Rated Current	1 ~ 63A
Energy Limiting Class	3
Terminal Height	21mm
Busbar Connection	Pin type (top/bottom), Fork (bottom only)

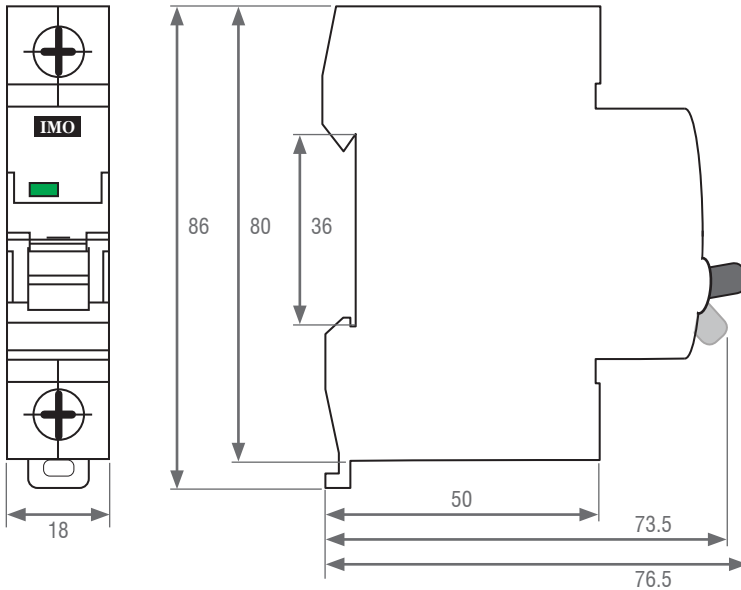


Options & Ordering Codes

BR6		B	10	16A
6kA Rated	BR6			Rated Current (Amps)
Operating characteristic		B		1A
Operating characteristic		C		2A
Operating characteristic		D		4A
				6A
Single pole			10	10A
Single pole + neutral			1N	16A
Two pole			20	20A
Three pole			30	25A
Three pole + neutral			3N	32A
Four pole			40	40A
				50A
				63A

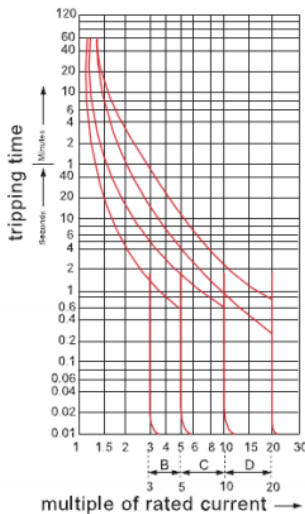
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Dimensions (mm)

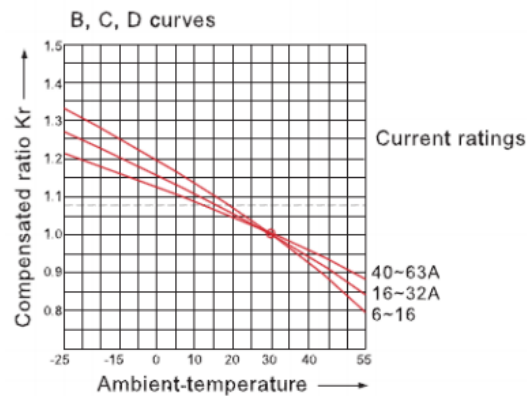


Type	Number of Modules
10	1
1N	2
20	2
30	3
3N	4
40	4

B, C, D Tripping Curve



Ambient Temperature & Current Rating Curve



Accessories

Under / Over Voltage Trip	BR6-U2-02
Trips the attached unit in case of under / over voltage	
Rated Voltage Ue: AC 230V	
Under-Voltage Tripping Range: 280V ± 5%	
Over-Voltage Tripping Range: 170V ± 5%	
Mounting on Left Side	
Auxiliary Switch	BR6-F2
for monitoring the status of the protection device (open/closed)	
1 pole changeover	
Rated Current: 6A @ 230VAC & 24VDC or 3A @ 400VAC	
Dielectric Strength: 2000V / 1min	
Terminal Capacity: 2.5mm ²	
Mounting on Left Side	

Description	Part Number
Busbar 1 Pole, 100A, Pin Type, 1M	B10BB1P100-1M
Busbar 3 Pole, 100A, Pin Type, 1M	B10BB3P100-1M
Busbar 1 Pole, 100A, Fork Type, 1M	B10BB1F100-1M
Busbar 3 Pole, 100A, Fork Type, 1M	B10BB3F100-1M
End Cap 1 Pole	B10BBCAP1
End Cap 3 Pole	B10BBCAP3
Terminal Adaptor	BA1
Locking Device (4mm padlock diameter max. - not included)	B10-LOCK
Shunt Trip	BR6-S2
for switching off the protection device remotely	
Rated Voltage Ue: AC 110V / 230V / 400V	
Voltage: 70% - 110% X Ue	
Mounting on Left Side	