

BX9B

Miniature Circuit Breaker

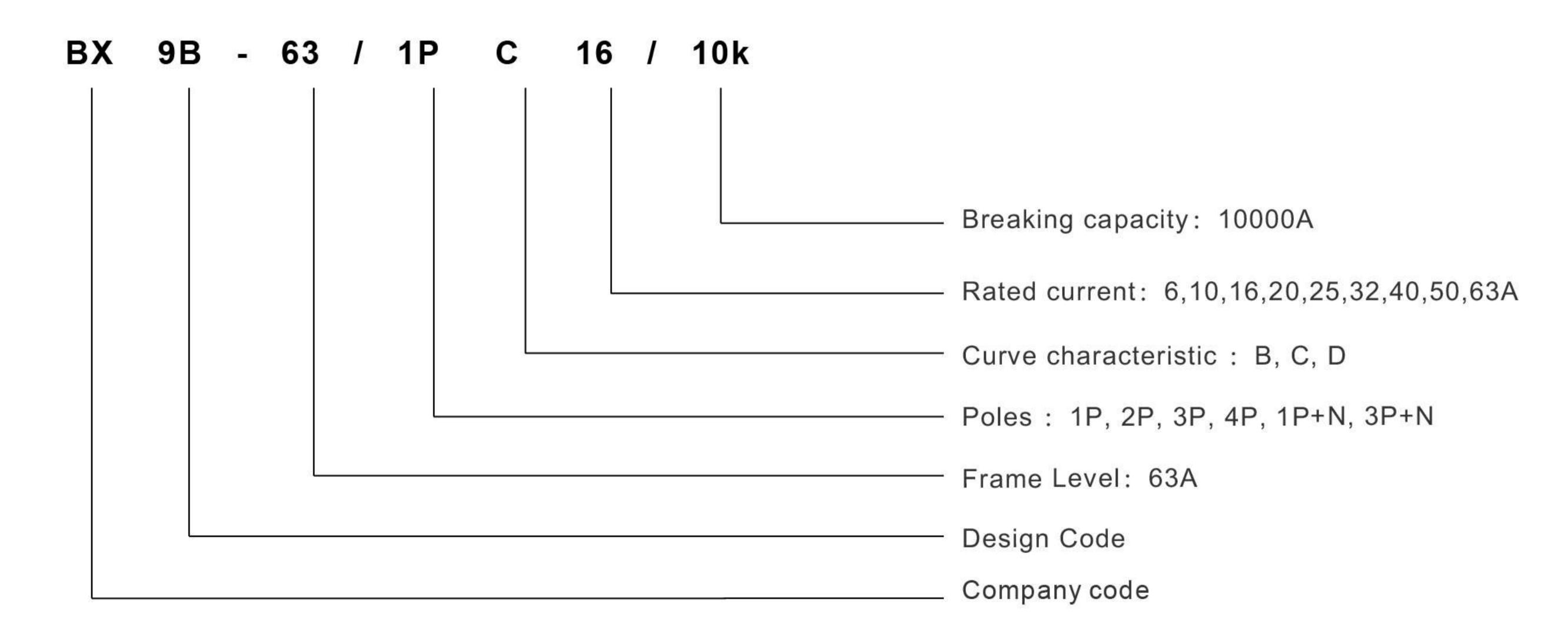


Function

- Protection against short circuit current and overload current
- Isolation
- Control

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Nomenclature



Construction and Feature

□ The state-of-art design

Elegant appearance; cover and handle in arc shape make comfortable operation.

Contact position indicating window

Transparent cover designed to carry label.

☐ Handle central-staying function for circuit fault indicating

In case of overload, to protected circuit, MCB handle trips and stays at central position, which enables a quick solution to the faulty line. The handle cannot stay in such position when operated manually.

☐ High short-circuit capacity

High short-circuit capacity 10kA for whole range and 15kA capacity for current rating up to 40Athanks to the powerful electric arc extinguishing system.

Long electrical endurance up to 10000 cycles thanks to quick making mechanism.

□ Handle padlock device

MCB handle can be locked either at "ON" position or at "OFF" position to prevent unwanted operation of the product.

☐ Screw terminal lock device

The lock device prevents unwanted or casual dismounting of connected terminals.

Technical Parameter

Standard	IEC60898-1
Poles	1P, 2P, 3P, 4P, 1P+N, 3P+N
Rated current In(A)	6,10,16,20,25,32,40,50,63
Rated voltage Un(V)	1P:240/415V~,1P+N: 240V~ 50/60Hz 2P,3P, 3P+N, 4P: 415V~ 50/60Hz
Curve characteristic	B, C, D
Rated short-circuit capacity (Icn)	10KA
Rated service short-circuit breaking capacity(lcs)	7.5kA
Rated impulse withstand voltage	6kV
Protection grade	IP20
Electrical life (times)	10,000
Mechanical life (times)	10,000
Ambient temperature	-5℃ to +40℃
Connection capacity	Flexible conductor 35mm² Rigid conductor 25mm²
Fastening torque	2.0Nm
Installation	On symmetrical DIN rail 35mm Panel mounting

Accessories

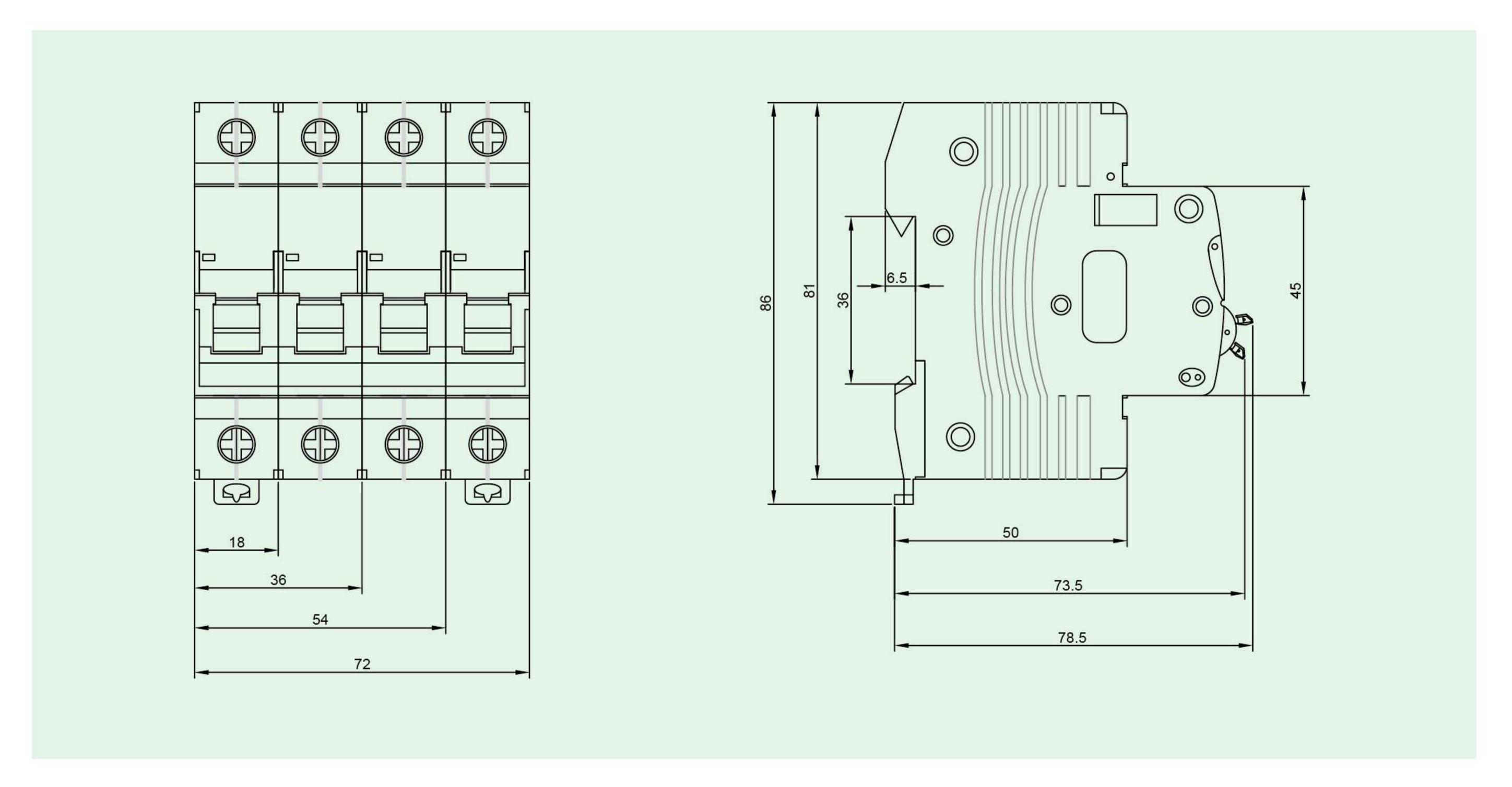
F3 Auxiliary contact

S3 Shunt tripper

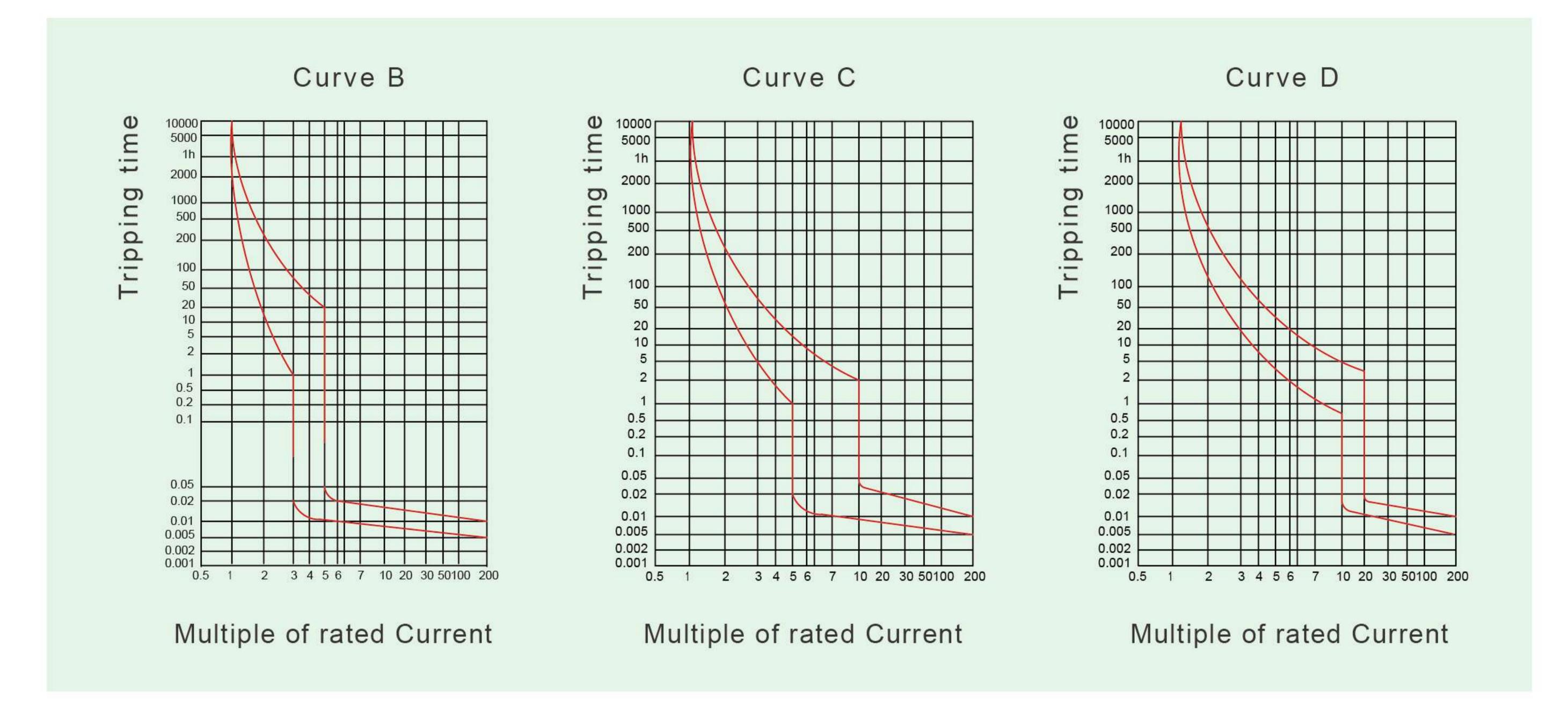
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Dimensions



Tripping Curve



Advantages of BX9B-63 MCB

☐ Guaranteed short-circuit resistance

It is guaranteed not only the short-circuit resistance of 6kA in the whole range up to 63A but this BX9 series has the short -circuit resistance of up to 10kA even up to the values

☐ A high-speed switch-off

An extraordinary high rate of switch-off upon short-circuits; an unperturbed fulfillment of all power terms and following selectivity No.3. All those phenomena together ensure a very sensitive protection of persons, electrical devices and wiring.

□ Central position of defect indication

The release mechanism enables a central indication position which informs the user that the MCB has not been switched-off manually but by a thermal or short-circuit protection (the lever is moved just to the half-way of is motion). In case of manual switch-off, the MCB is always moved to its final low position. Therefore you can know very quickly if there is a defect at the circuit, or if the circuit has been switched-off by an operator

☐ Instantaneous switching of contacts, independent on the rate of lever motion

Unique extinguishing chamber

☐ Unique auxiliary mechanism for fastening and removal of the MCB from the DIN strip

Besides the normal fastening onto the DIN strip, this unique auxiliary mechanism for fastening and removal enables also an easy removal of the MCB from a row of devices mutually interconnected by forked or rack (reed)interconnecting strip without necessity to dismantle the whole interconnecting strip

Other advantages of this solution:

The mechanisms will not fall-out from the MCBs body.

Arrestment in final positions

No steel spring

☐ Colored indication of contact condition with dust protection

The MCB is equipped with a colored indication of contact condition, which is independent on the lever position, and it depends just on the real contact condition. In addition, this indication is protected against dust penetration into the MCB by a transparent plastic cover with enlarging effect.

Switched-on-red I-ON

Switched-off-green O-OFF

□ Universal terminals for different interconnecting strips

The terminals are solved as interconnecting forked or rack (reed) strips.

Order Note

Following items should be marked when ordering	Ordering sample
Product name and model	To order BX9B-63 Miniature circuit breaker, 2Poles, curve C, rated
Frame level	current 20A, quantity is 100 pieces, should be marked: MCB
Poles	BX9B-63/2P C20 100PCS.
Tripping characteristic, rated current	
Quantity	

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