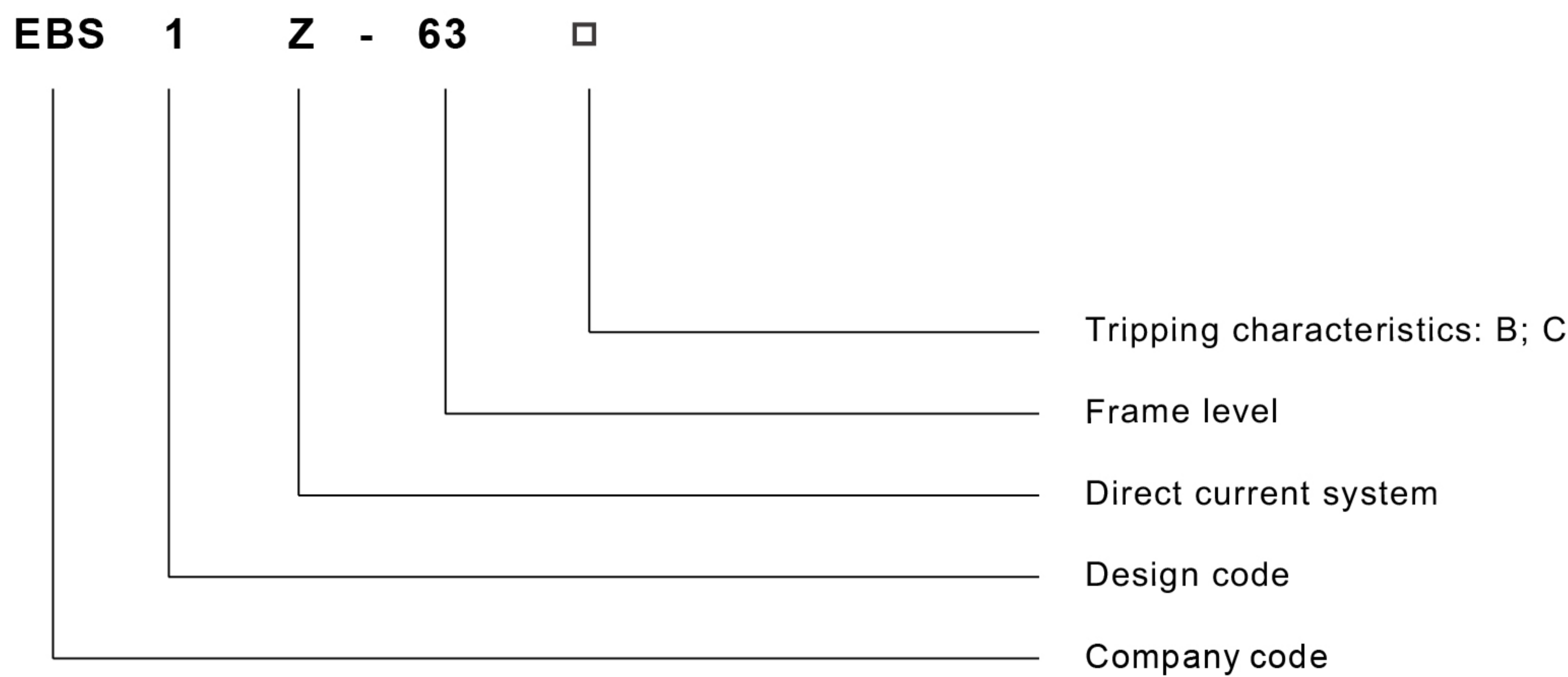


EBS1Z-63

DC mini Circuit Breaker



Nomenclature



Application

EBS1Z series DC mini Circuit Breaker is suitable in normal current 63A and below, directly-current rated voltage 250V-1000V, Uses for carries on the overload, short-circuit protection to the current electrical power distribution system's facility and the electrical equipment, and used in professional electric power, posts and telecommunications transportation, Industrial and mining establishments, and so on. It comply with IEC60898-2, GB10963 standards.

Feature

EBS1Z-63 is composed by shell, operation structure, thermal tripping system, electromagnetic tripping contact system, and Arc system lamp. It is used for overload and short-circuit protection capacity up to 10kA, mechanical lifespan over 20,000 times, elegant apperance, adopting TH35-7.5 standard steel rail, the characteristics are as follows: the handle is designed above the front surface, safe and comfortable in operation; when connecting the wires must be pay attention to the polarity“+”, “-”, under the power source progresses, up for input, down for output, conforms to the characteristics of power source connection. Easy for installation, save the line.

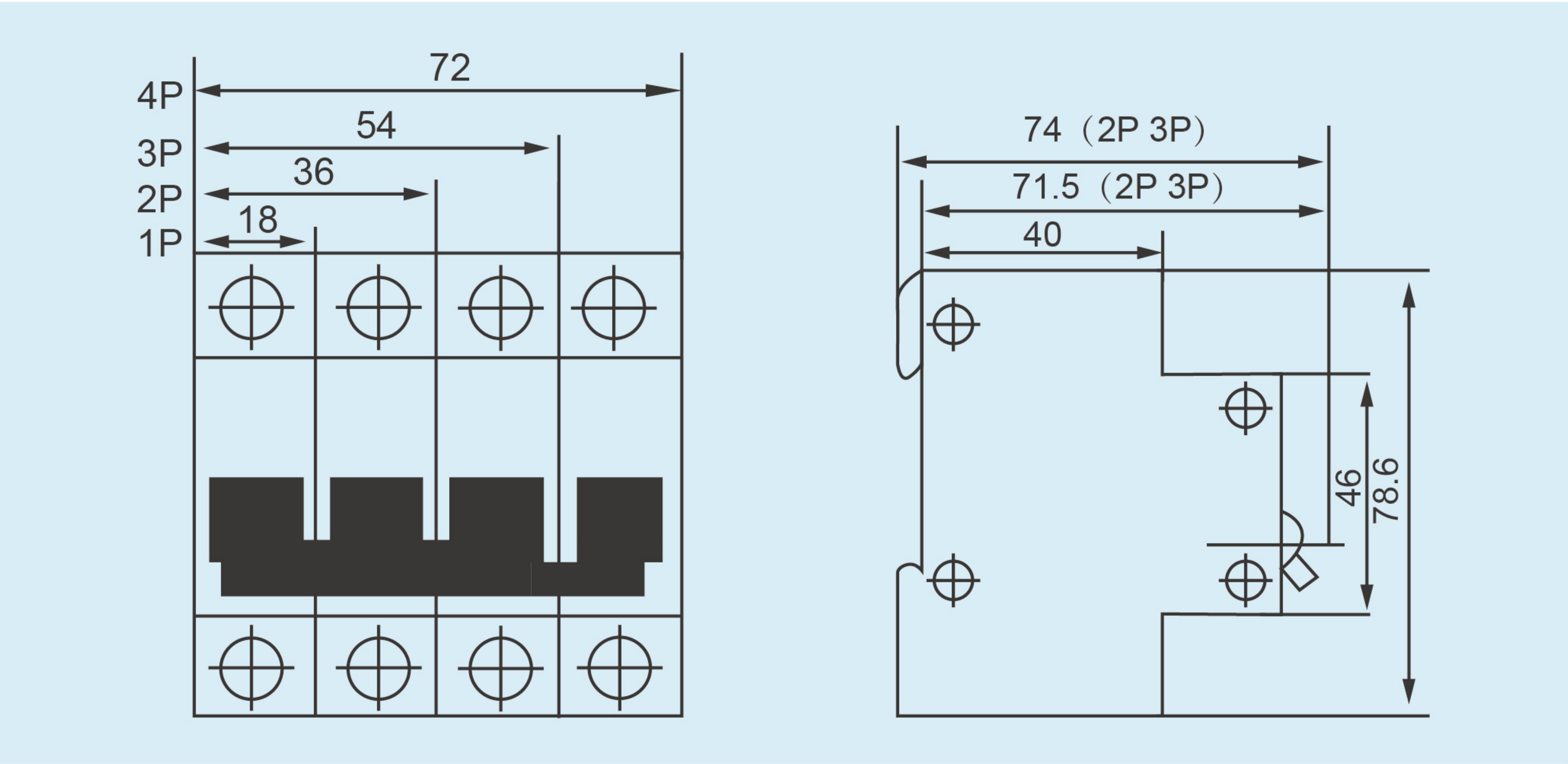
Technical Data

Frame level rated current Imm(A)	pole	Width/bi (18mm multiple)	Rated voltage(V)	Rated current(A)	Ultimate short-break capacity		Instantaneous trip type
					Current Icu(A)	Time constant T(ms)	
63	1	1	DC 250V	1 2 3 4 5 6	10000	10	B C
	2	2	DC 500V	10 16 20 25 32			
	3	3	DC 750V	40 50 63 A	6000		
	4	4	DC 1000V				

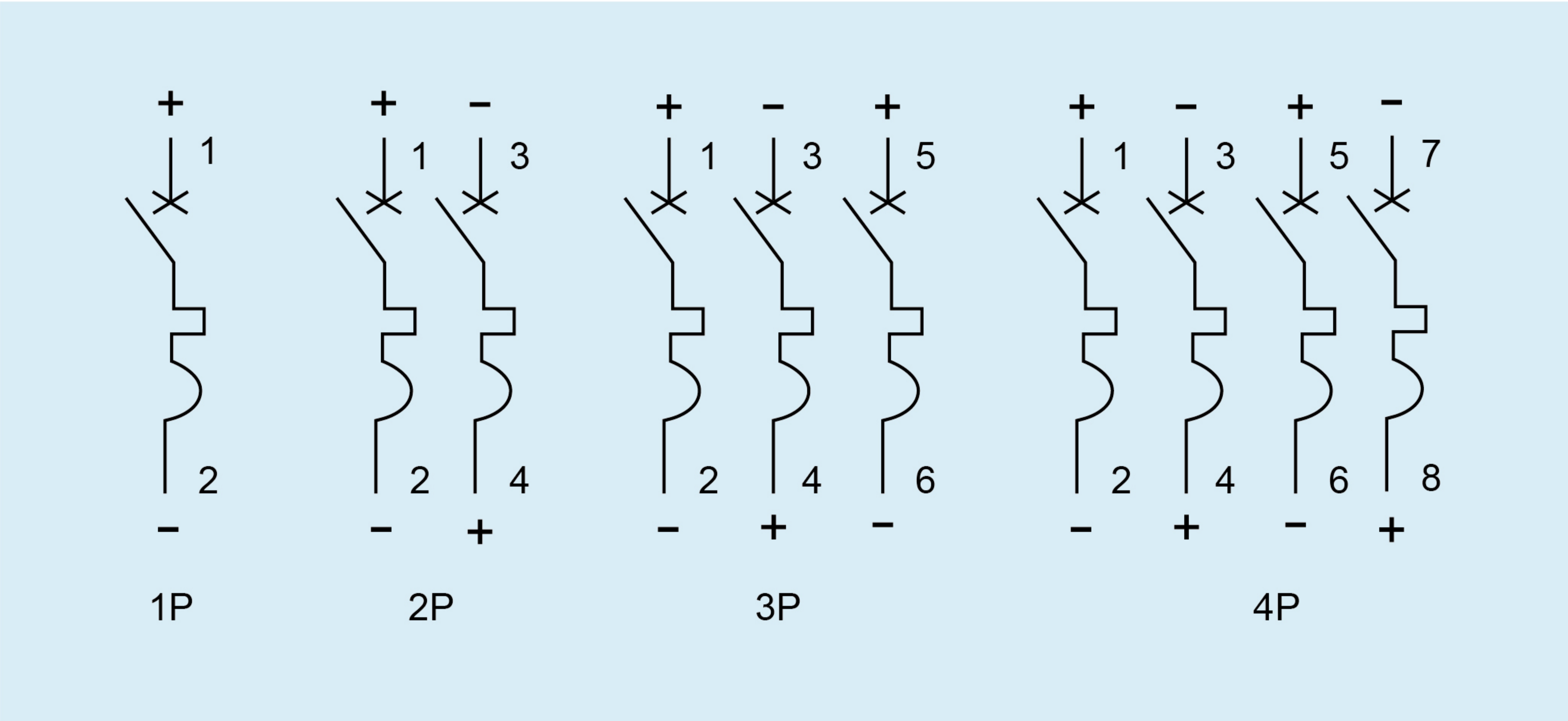
Standard Time Current

Test	Type	Test current	Original current	The tripping type does not release the time limit	Result	Remark
a	B C	1.3In	Cold state	$t \geq 1h (In \leq 63A)$	No trip	
b	B C	1.45In	Following a test	$t < 1h (In \leq 63A)$	trip	Current up steadily in 5s
c	B C	2.55In	Cold state	$1s < t < 60s (In \leq 32A)$	trip	
				$1s < t < 120s (In > 32A)$		
d	B C	4In	Cold state	$0.1s \leq t \leq 45s (In \leq 32A)$ $0.1s \leq t \leq 90s (In > 32A)$	trip	Shut auxiliary switch and connect the power
		7In		$0.1s \leq t \leq 15s (In \leq 32A)$ $0.1s \leq t \leq 30s (In > 32A)$		
e	B C	7In	Cold state	$t < 0.1s$	trip	
		15In				

Overall And Mounting Dimensions



Connection Diagram



Order Note

Following items should be marked when ordering	Ordering sample
Product name and model	To order the EBS1Z-63 miniature circuit breaker, 1P,
Poles	Curve C, rated current is 63A, and quantity is 100
Tripping characteristic and rated current	pieces, should be marked:
Quantity	MCB EBS1Z-63/1PC63, 100 PCS.