



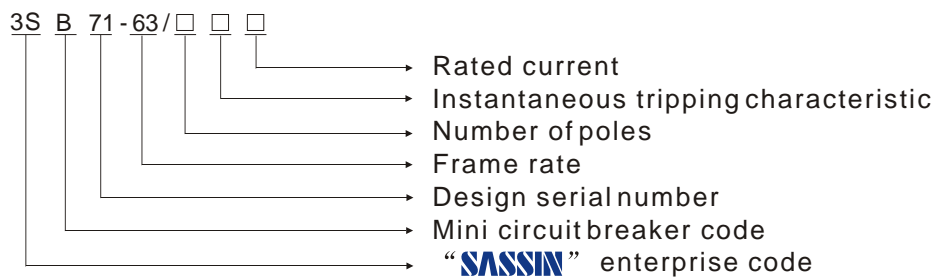
**3SB71 Mini Circuit Breaker**

**Application**

3SB71-63 mini circuit breaker is current-limiting and high-breaking capacity breaker with double protection of overload and short circuit. It applies to circuit of AC 50Hz, rated voltage 400V and below and rated current 63A and below. It can also be used for infrequent switch over of circuit operation under normal conditions.

The enclosure is made of fire-retardant and high strength engineering plastic with excellent electric performance. Standard: IEC 60898-1

**Types and meanings**



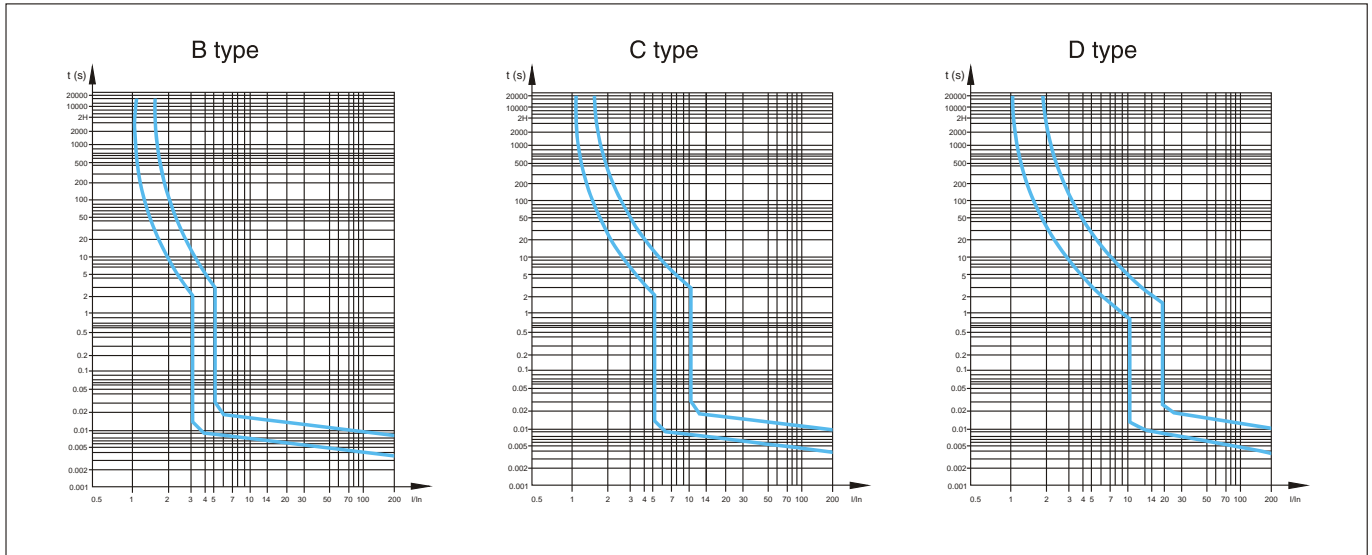
**Normal application and installation conditions**

- a) Ambient temperature: Breaker can work normally in ambient air condition of -5°C ~ +40°C (except special order)
- b) Altitude: Breaker can work normally with installation altitude of within 2000m.
- c) Anti-pollution grade breaker is grade II.
- d) Installation category: III.
- e) Installation place: Breaker can be installed on the din rail or installed horizontally, vertically.
- f) Environment protection: Sufficient consideration of environmental protection factors has been taken in design and manufacture of the breaker by adopting retrievable and naturally degradable materials as components.

## ■ Main technical parameters

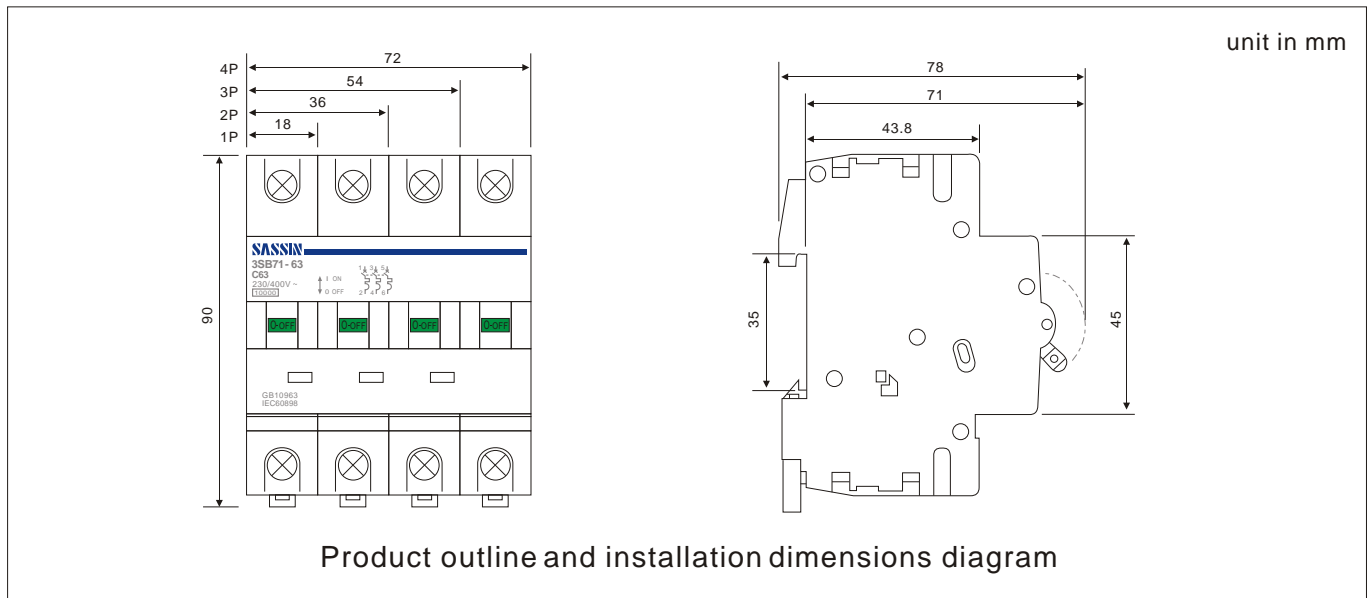
Breaker	3SB71-63		
Number of poles	1P, 2P, 3P, 4P		
Rated current (In)	A	6, 10, 16, 20, 25, 32, 40, 50, 63	
Rated frequency	Hz	50	
Rated operating voltage (Ue)	V	230/400	
Rated service short circuit breaking capacity (Ics) (O-t-O-t-CO) (O-t-CO-t-CO)	kA	7.5	
Rated short circuit breaking capacity (Icn) (O-t-CO)	kA	10	
Operating cycles	Per hour	Times	240 (In ≤ 32A) 120 (In > 32A)
	Electrical Life	Times	4000
	Mechanical Life	Times	20000
Conventional non-tripping current (Int)	1.13In	h	≥ 1
Conventional tripping current (It)	1.45In	h	< 1
	2.55In	s	1 < t < 60 (In ≤ 32A) 1 < t < 120 (In > 32A)
Instantaneous tripping type	B C D		
Instantaneous non-tripping current	t ≥ 0.1s	3In	5In 10In
Instantaneous tripping current	t < 0.1s	5In	10In 20In
Protection level	IP20		
Installation mode	DIN rail plug-in		
Connection mode	Terminal with clip		
Ambient air temperature	Min/Max	°C	-5/+40
Altitude	Max	m	≤ 2000
Leading wire	Min/Max	mm <sup>2</sup>	1/25
Screw torque	N · m		2
Outline dimensions (length X width X height)	1P	mm	90 x 18 x 78
	2P	mm	90 x 36 x 78
	3P	mm	90 x 54 x 78
	4P	mm	90 x 72 x 78

■ **Over-current tripping characteristic**



■ **Outline and installation dimensions**

3SB71-63 is installed on DZN rail terminal and can be connected with wire of less than 25mm<sup>2</sup>.



■ **Order instructions**

- a) type and specification of mini circuit breaker
  - b) rated current and number of poles of mini circuit breaker
  - c) quantity
- E.g. order 3SB71-63 3-pole circuit breaker. Type C, rated current 20A, quantity 1000 sets.  
Order as: 3SB71-63/3P C20, 1000 sets.