

POWER SUPPLY SYSTEM

Surge Circuit Breaker

SCB

Safesurge SCB provides backup over-current protection for the SPD, which is fully coordinated with the surge protective device. Comparing to normal backup circuit breaker/fuse, the PROSURGE SCB achieve a better balance between surge withstand performance (no tripping while expected surge occurs) and sharp reaction against short circuit and abnormal leakage current.



Technical data

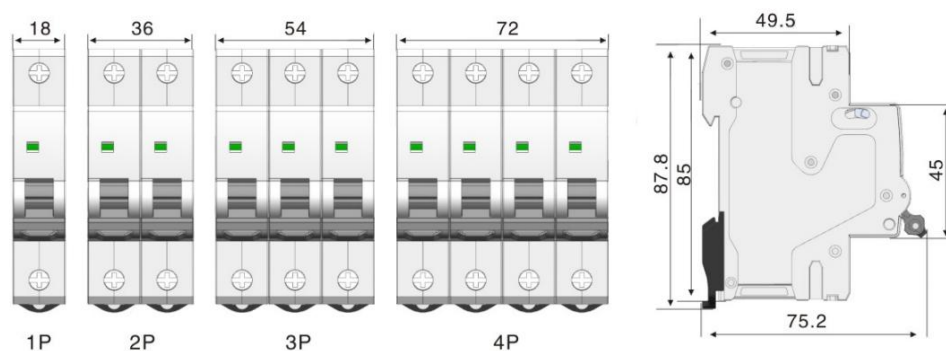
| | | | | | | |
|---|---|------------|------------|---|------------|------------|
| Part No. | SCB B15-1P | SCB B25-1P | SCB B50-1P | SCB C40-1P | SCB C65-1P | SCB C80-1P |
| | SCB B15-2P | SCB B25-3P | SCB B50-2P | SCB C40-2P | SCB C65-2P | SCB C80-2P |
| | SCB B15-3P | SCB B25-3P | SCB B50-3P | SCB C40-3P | SCB C65-3P | SCB C80-3P |
| | SCB B15-3P | SCB B25-4P | SCB B50-4P | SCB C40-4P | SCB C65-4P | SCB C80-4P |
| Pole number | 1~4P | | | 1~4P | | |
| Nominal voltage Un | 230/400Vac | | | 230/400Vac | | |
| Operating frequency | 50/60Hz | | | 50/60Hz | | |
| Rated max. impulse current (10/350us) Iimp | 15kA | 25kA | 50kA | - | - | - |
| Rated max. discharge current (8/20us) Imax | - | - | - | 40kA | 65kA | 80kA |
| Nominal discharge current (8/20us) In | 50kA | 60kA | 80kA | 20kA | 35kA | 40kA |
| Rated short circuit capacity | 100kArms | 100kArms | 100kArms | 35kArms | 50kArms | 50kArms |
| Rated trip Current (frequency current) | 3+/-1A | | | 3+/-1A | | |
| Rated trip time | <0.1s | | | <0.1s | | |
| IP protection level | IP20 | | | IP20 | | |
| Wire connection | Flexible:2.5~25mm ² , Stranded:2.5~35mm ² | | | Flexible:2.5~25mm ² , Stranded:2.5~35mm ² | | |
| Terminal | Screw clamp | | | Screw clamp | | |
| Torque | 3.5 N m | | | 3.5 N m | | |
| Operating environments | Temperature -20℃~+60℃, Humidity relative ≤90% (25℃), Altitudes≤2km | | | | | |
| Storage temperature | ~40℃~70℃ | | | | | |
| Mechanical life | 15000 times | | | 15000 times | | |
| Electrical life | 10000 times | | | 10000 times | | |
| Mounting | 35mm DIN-rail | | | | | |
| Installation width | 36mm (single pole) | | | 18mm (single pole) | | |
| Remote signal of SCB, on/off | Optional, used with accessory -iRS and multi-pole breaker need be ganged | | | | | |
| Multi-pole breaker ganged | Default, Not ganged, each breaker is independent. Optional, trip all poles if any one pole trips | | | | | |
| Enclosure material | Thermoplastic; extinguishing degree UL94 V-0 | | | | | |

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Dimension

Unit: mm

SCB CXX-1P,2P,3P,4P



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