

3SB71C&3SB71J&3SB71CC_CJ&3SB71Q&3SB71F

Independent power supply with build-in power source, directly draws power from the incoming end to avoid the risk of protection function failure caused by supply failure.

- Overload protection
- Short circuit protection
- Isolation
- Controlling
- Used in residential building, non-residential building, industry, energy and infrastructure



Functions

- 3SB71C Auxiliary contact: indication of the position of MCB and RCD
- 3SB71J Auxiliary alarm: signaling of status making or breaking of MCB and RCD through Alarm
- 3SB71CC/CJ Auxiliary contact & alarm: combination of auxiliary contact and alarm
- 3SB71Q Under voltage release: protection of the load in the event of a voltage drop (between 70% and 35% of its rated value)
- 3SB71F Shunt release: remote opening of the device when a voltage is applied
- Suitable for MCB Series: 3SB71-63, 3SB71-125, 3SB71Z, RCBO Series: 3SL71N-40, 3SB71LN

Technical specifications

- Standard: IEC 60947-2
- Rated insulation voltage (V AC): 500
- Rated frequency (Hz): 50/60
- Utilization category: AC14
- Mechanical life (times): 4,000
- Conductor cross-sections
- Solid and stranded (mm²): 2.5
- Ambient temperature (°C): -5 ~ +40, max. 95 % humidity
- Storage temperature (°C): -40 ~ +75
- Terminal tightening torque (N·m): 0.5
- Dielectric Strength : 2,000
- Wire square s : 2.5

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3SB71DD

Independent power supply with build-in power source, directly draws power from the incoming end to avoid the risk of protection function failure caused by supply failure.

- Overload protection
- Short circuit protection
- Isolation
- Controlling
- Used in residential building, non-residential building, industry, energy and infrastructure

Descriptions

- Remote control with manual buttons
- Matched with 3SB71 series MCB and 3SL71 series RCCB
- Operate the handle to switch on and off by bidirectional controllable permanent magnet synchronous motor
- Widely used in the advanced residential building, communication field and the industrial automation, as well as the smart power grid

Technical specifications

- Standard: IEC 60947-2
- Match
- Miniature circuit breaker 3SB71 (1P, 2P, 3P, 4P);
- Residual current operation circuit breaker 3SL71 (1P+N, 3P+N)
- Rated insulation voltage (Ui): AC 500 V
- Rated voltage (Un): AC 230 V
- Operational voltage: 0.85~1.1 Un
- Rated frequency: 50 Hz
- Power consumption: 20 VA (operating)
- Electrical life: 4000 times
- Time to switch on or off: < 1 s
- Mounting class: II
- Degree of protection: IP20
- Installation: DIN-rail of 35 mm
- Connecting wire: 0.5~2.5 mm² Cord

Working conditions

- Pollution degree: II
- Ambient temperature: -5 °C ~ +40 °C, and the average of 24 hours should be under +35 °C
- Altitude (Meters): Max 2000
- Atmospheric conditions: The relative humidity of the air is 50% when +40 °C, and the relative humidity can be higher at lower temperatures

Selection and ordering data

Voltage

(V)

Type code

Order code

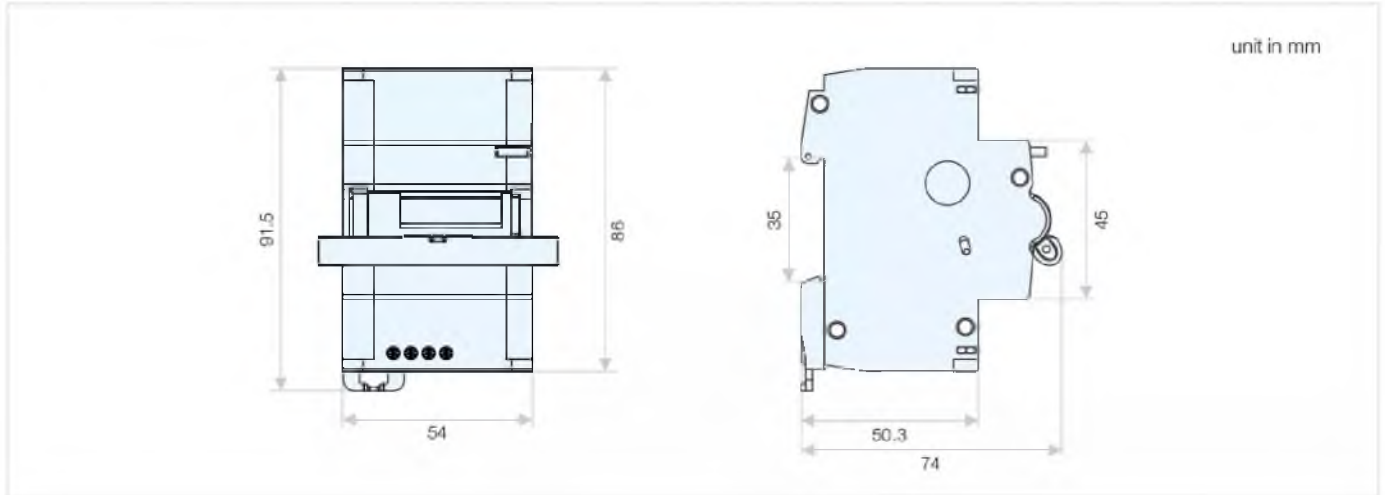
AC 230

B71 DD

31423



Outline and installation dimensions



Additional Components For 3SB6

- P6-AC: Auxiliary contact

Indication of the device contact positions (Open/Closed).

- P6-FC: Fault signal contact

Indication of the device contact positions only after the automatic release due to overcurrent.

- P6-AF: Auxiliary contact and fault signal contact

Two change-over contacts that include both functions of P6-AC and P6-FC.

- P6-URX: Under-voltage release

Protection of the load in the event of a voltage drop (between 75% and 35% of its rated value), and prevent the device closing again until its input voltage is r

- P6-UR: Under-voltage release

Protection of the load in the event of the input voltage drop to $170V \pm 5\%$.

- P6-OR: Over-voltage release

Protection of the load in the event of the voltage exceed $280 V \pm 5\%$.

- P6-OUR: Over-voltage and undervoltage release

Protection of the load as described above for P6-OR and P6-UR.

Suitable for 3SB6 range MCBs.

Technical Specifications

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- Utilization category: AC 14
- Mechanical life (times): 4,000
- Conductor cross-sections
- Solid and stranded (mm²): 2.5
- Ambient temperature (°C): -5 ~ +40, max. 95 % humidity
- Storage temperature (°C): -40 ~ +75
- Terminal tightening torque (N·m): 0.5
- Dielectric strength: 2,000
- Wire square: 2.5

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