



ABB FH200A Residual Current Circuit Breaker Instruction Manual

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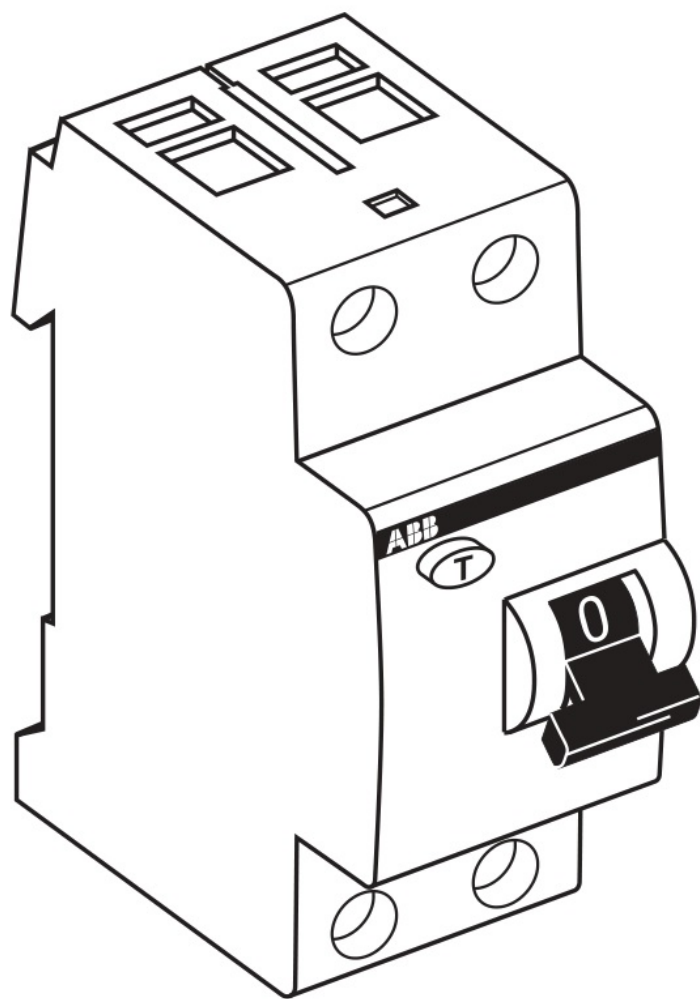
**ABB FH200A Residual Current Circuit
Breaker Instruction Manual**

**FH200A
System pro M compact®**

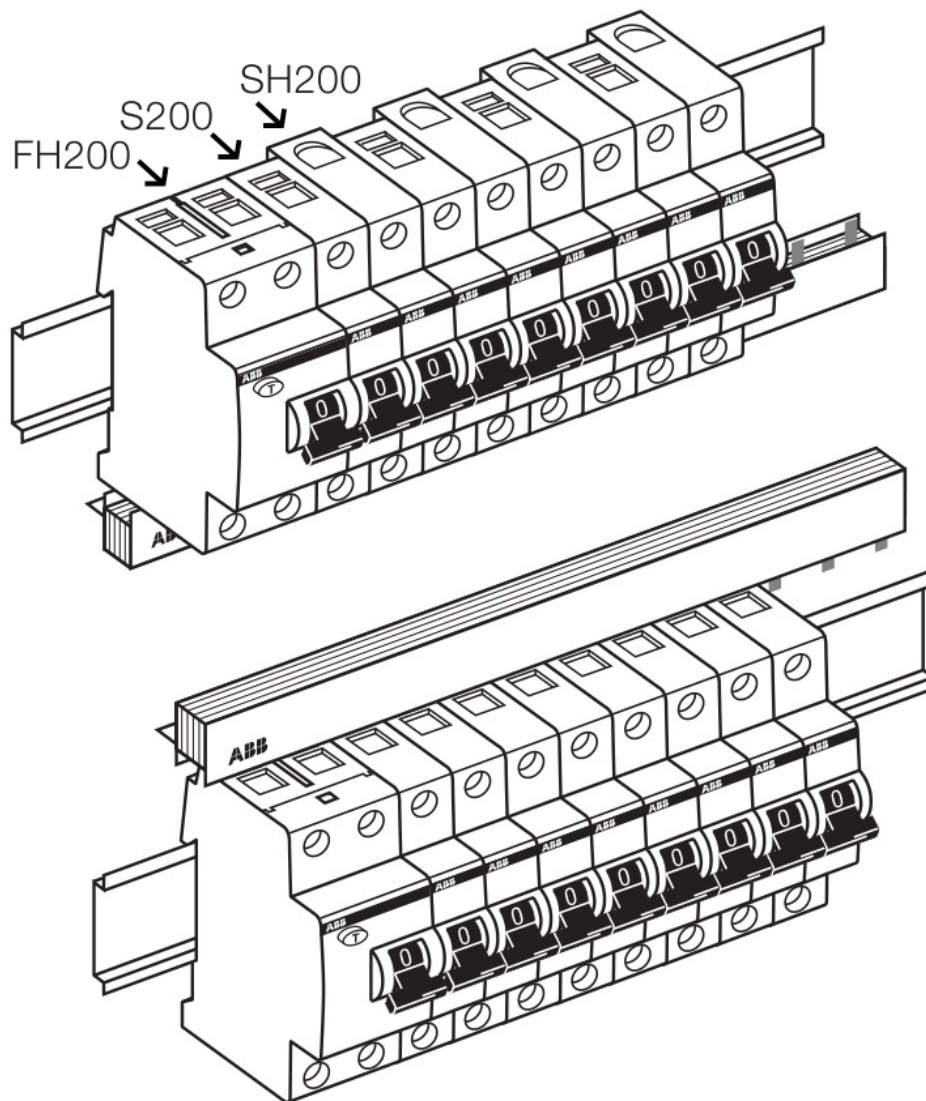
Residual current circuit breaker

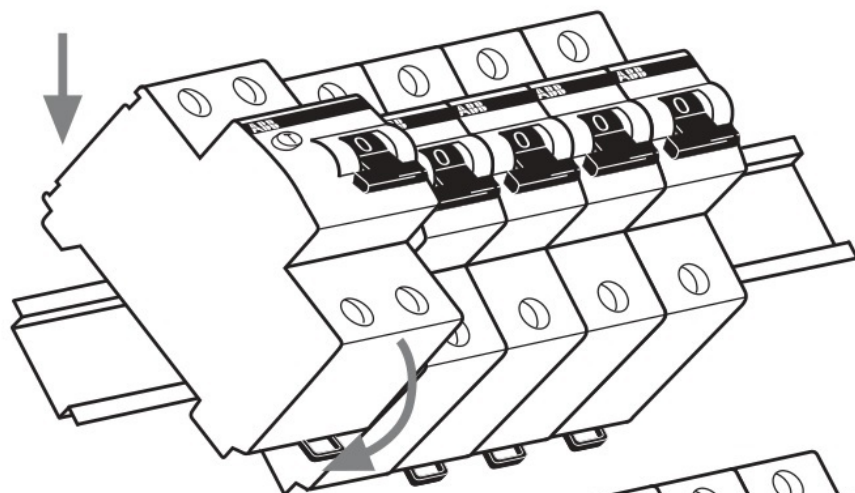
Operation and assembly instruction (to be kept available for future users)

CE

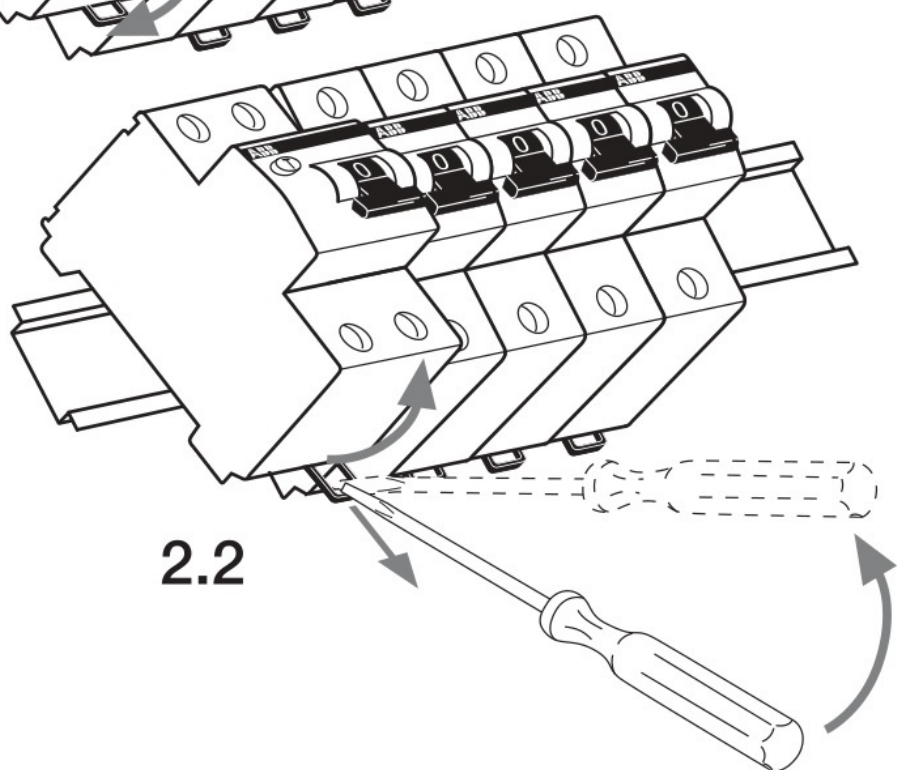


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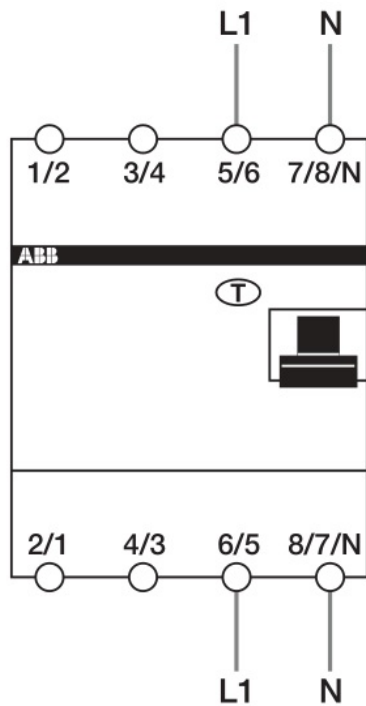
2.1



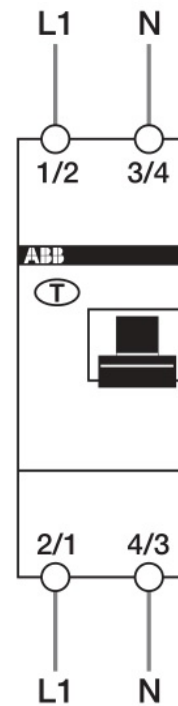
2.2

2

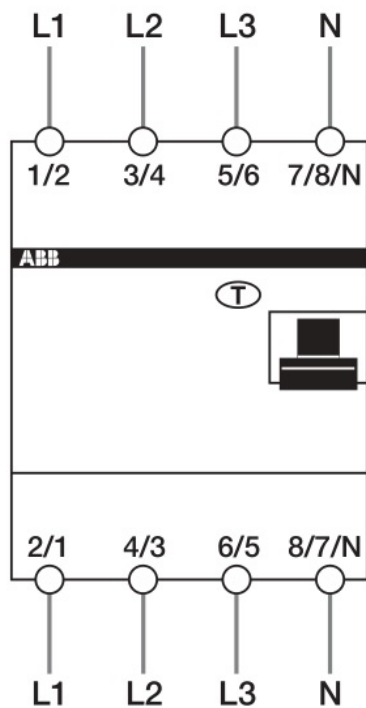
1P+N, 230 VAC



1P+N, 230 VAC



3P+N, 230 VAC



Cu 25/10 mm²
2,8 Nm

Technical data, residual current circuit breaker FH200A

See equipment plate data and refer below:

| | |
|--|--|
| FH200A | Alternate currents, pulse currents with DC components |
| Insensitivity to transient current pulses with wave-form 8/20 μ s: | up to 250 A |
| Co-ordination with Short Circuit Protection Device: | 6 kA, with 63 A fuse type gL 500 V |
| Protection against over current: | The RCCBs must be used with short circuit protection devices to provide circuit protection against overloads and short circuit faults. |
| Rated residual current, life injury protection | 30 mA |
| Min. operating voltage of test circuit | 170 VAC |

Power supply

The devices can be fed from either the upper or lower terminals.

Assembly

Designed for fitting on symmetrical DIN rail to standard EN 60715, 35 mm width, with fast clip included in the breaker. It is possible to realize the wiring with System pro M compact connection busbars on both the upper and lower side in the lower terminals (see figure 1) with S200 and SH200 series MCBs. Figure 2: Assembly on DIN rail (2.1). Removal (2.2).

Electrical connections

In a three-phase network with neutral ($U_n = 230/400\text{VAC} \dots 127/230\text{VAC}$), all line wires, included the neutral one, should be connected (excluded the protection wire). It is also possible to use a four-pole RCCB in singlephase networks (see figure 3).

Instructions for the user

Remember to press the “T” test button at least every six months (circuit has to be energized). The RCCB should trip. If this does not happen, an authorized electrician should be alerted immediately because the system safety has been reduced. Always call a qualified technician to carry out any work on fixed or mobile electrical installation.

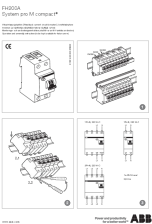
Environment protection

- The product is conforming to the European standards 2002/95/CE regarding the restrictions on the use of certain dangerous substances in the electrical and electronical equipment.
- It is necessary to respect the local regulations concerning the elimination of the packaging materials and of the circuit breaker and, if possible, to recycle them.

Contents

- 1 Documents / Resources
 - 1.1 References
 - 2 Related Posts

Documents / Resources

| | |
|---|--|
|  | <p>ABB FH200A Residual Current Circuit Breaker [pdf] Instruction Manual FH200A Residual Current Circuit Breaker, FH200A, Residual Current Circuit Breaker, Current Circuit Breaker, Circuit Breaker, Breaker</p> |
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References

- [ABB ABB Group. Leading digital technologies for industry — ABB Group](#)