

Fault protection

“Protection against indirect contact”

Protects people in the event of contact with extraneous electrically conductive parts (such as heating, water pipe) through automatic power shutdown – if a risk exists as a result of a fault due to the magnitude or duration of the touch voltage.



Additional protection

“Protection in case of direct contact” with $I_{\Delta n} = 30 \text{ mA}$

Protects individuals if they come into direct contact with an active live part under normal operation conditions if the basic and/or fault protection fails.

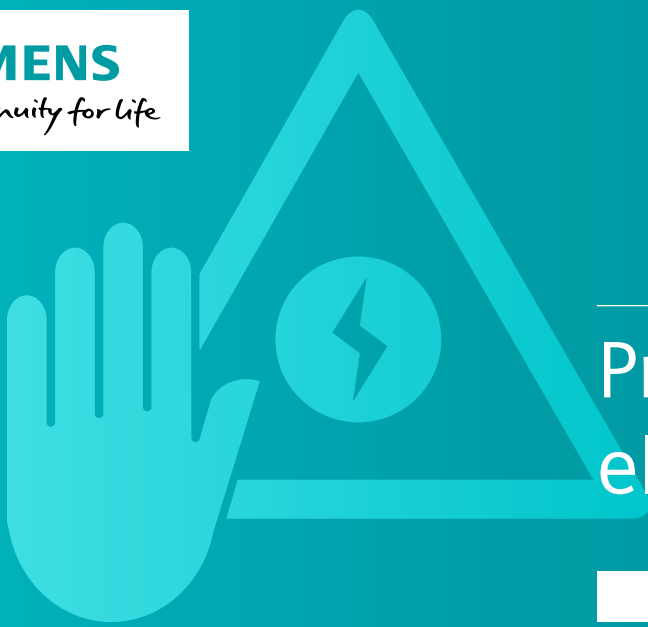


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only when they are expressly agreed upon in the concluded contract. development of the products. The requested performance features are binding described, or which may undergo modification in the course of further and/or performance features which may not always specifically reflect those The information given in this document only contains general descriptions Subject to changes and errors

Printed in Germany
Article No. EMLP-B10107-00-7600
Dispo 25600 • 11 17 • 2.0
Energy Management
Siemensstr. 10
93055 Regensburg
Germany
Published by
Siemens AG

SIEMENS
Ingenuity for life



Preventing electrical accidents

[siemens.com/rccb](https://www.siemens.com/rccb)



773
reportable electrical accidents
per year*



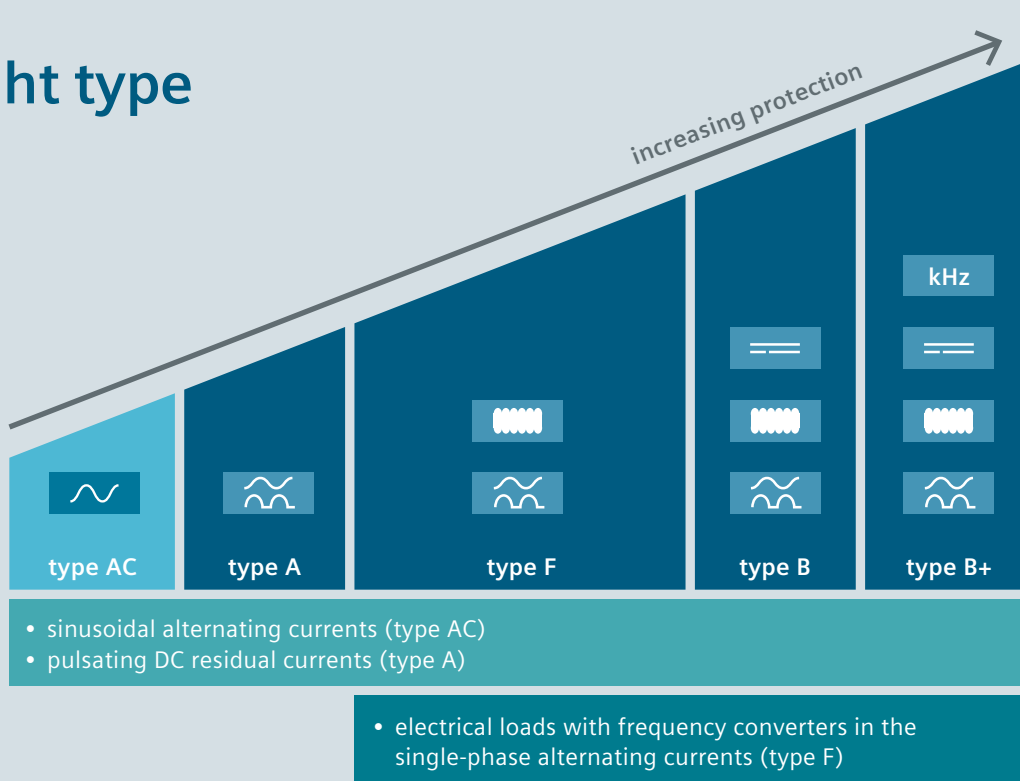
nearly 90%
of electrical accidents occur in
the low-voltage range*

*) Source: BG ETEM (2014) statistics of electrical accidents in Germany



In the event of a fault, residual current protective devices (RCDs) reliably disconnect power to protect humans.

The right type

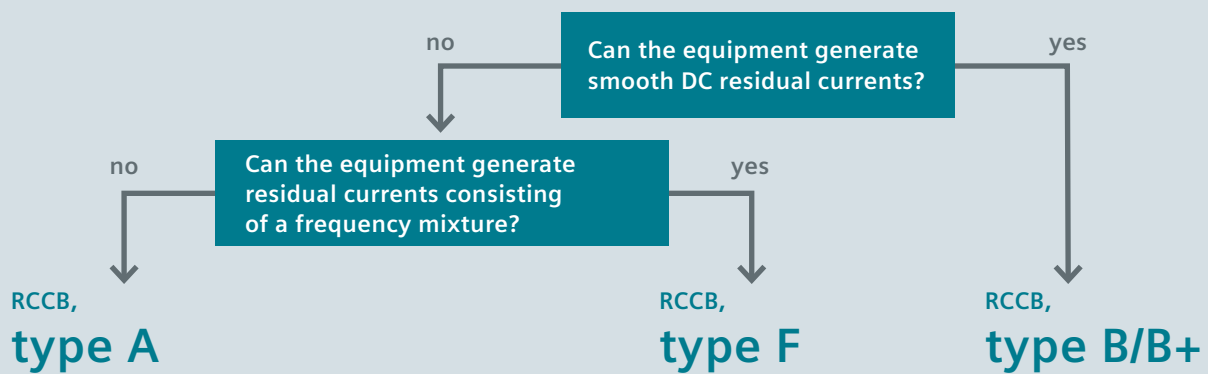


More information available at:
[siemens.com/rccb](https://www.siemens.com/rccb)

smooth DC residual currents (type B/B+)

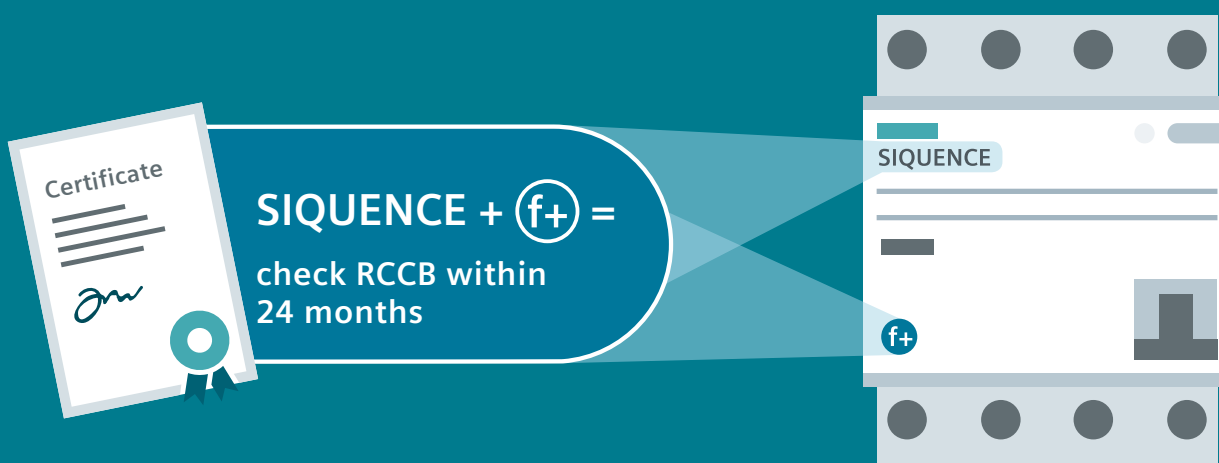
When to use which residual current circuit breaker (RCCB)?

Before connecting electrical equipment to a network with residual current operated devices, the compatibility should be checked:



Standard-compliant protection with protection devices from Siemens

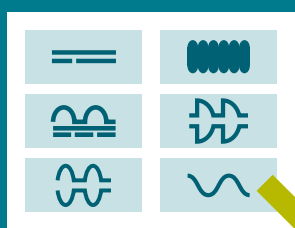
5SV3 RCCB SIQUENCE, type B/B+



Reliable recording of:

- sinusoidal alternating currents
- pulsating DC residual currents
- electrical loads with frequency converters in the single-phase alternating currents
- smooth DC residual currents

- + Integrated condensation protection ensures maximum safety and a long service life even under harsh conditions such as gases or moisture in the ambient air
- + The extended inspection period of 24 months reduces costs and efforts



Better to play it safe!