

Preventing electrical accidents

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.

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.



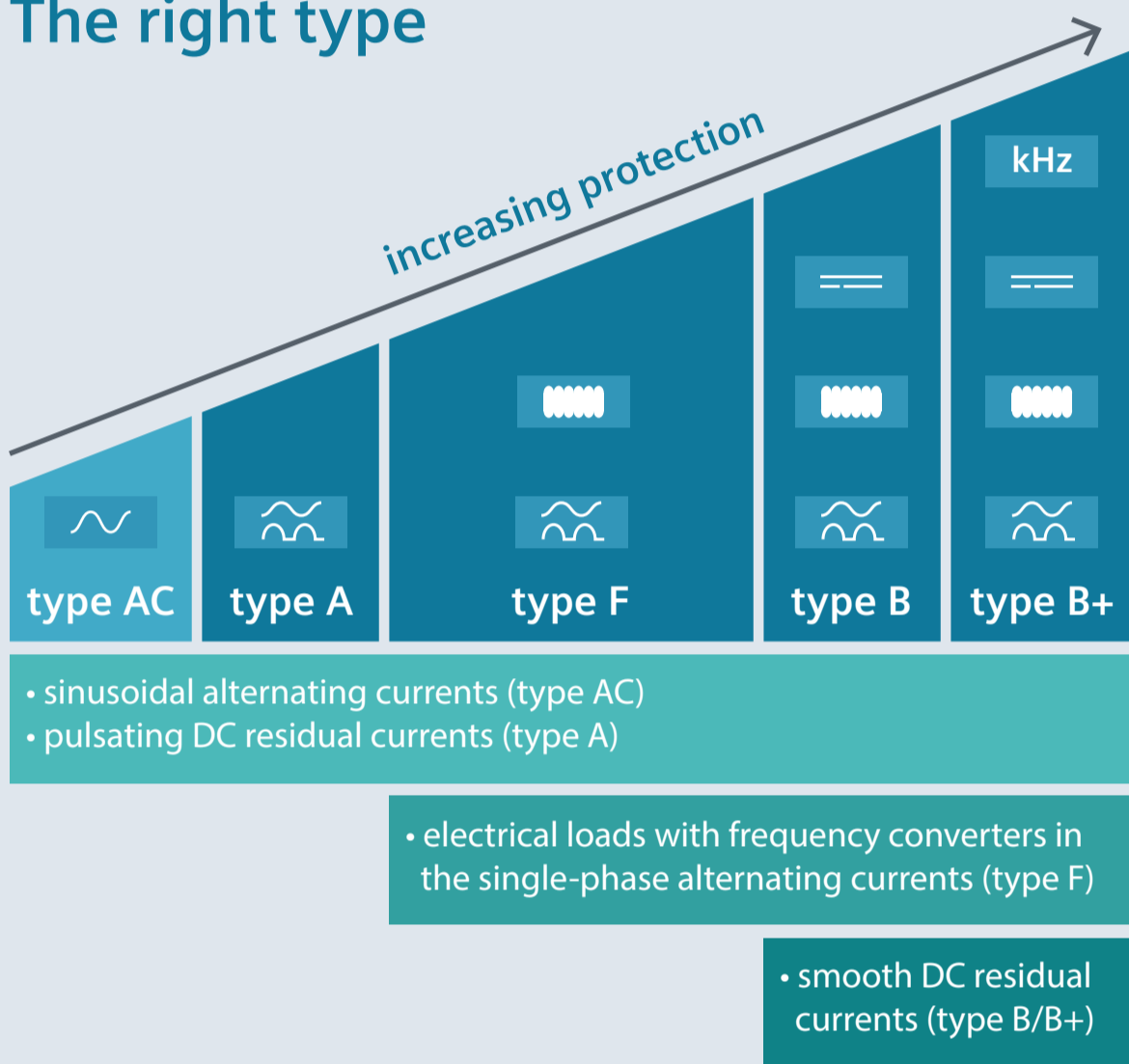
Additional protection

“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.



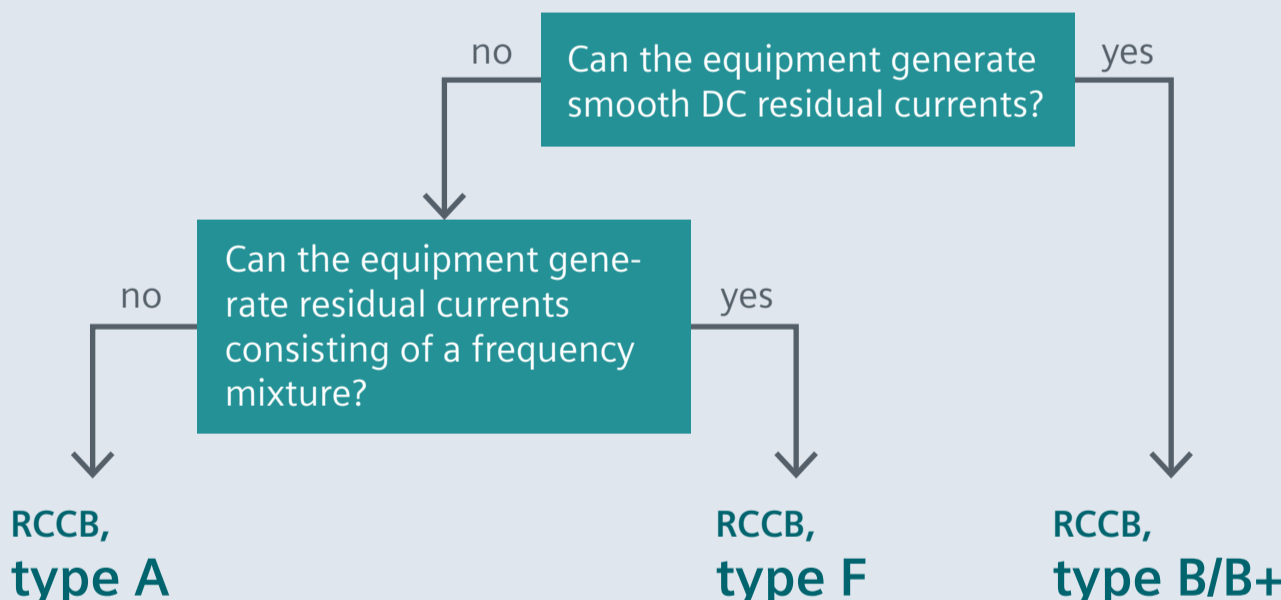
The right type



More information available at: siemens.com/rccb

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:

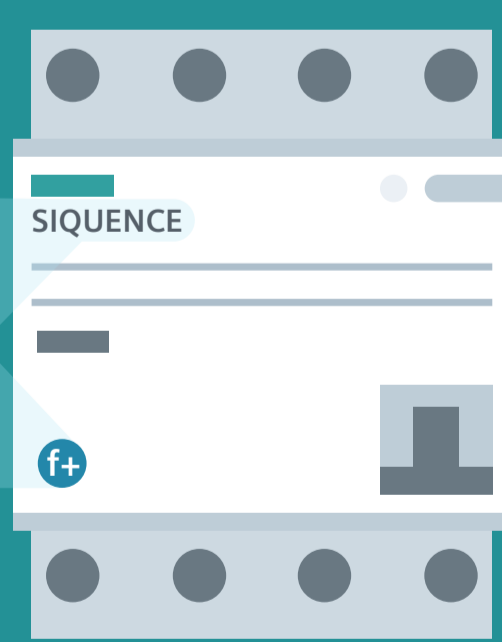


Standard-compliant protection with protection devices from Siemens

5SV3 RCCB SIQUENCE, type B+

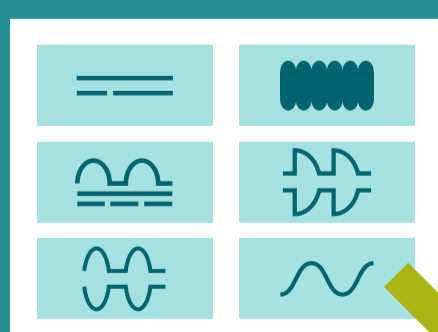


SIQUENCE + (f+) = check RCCB within 24 months



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!