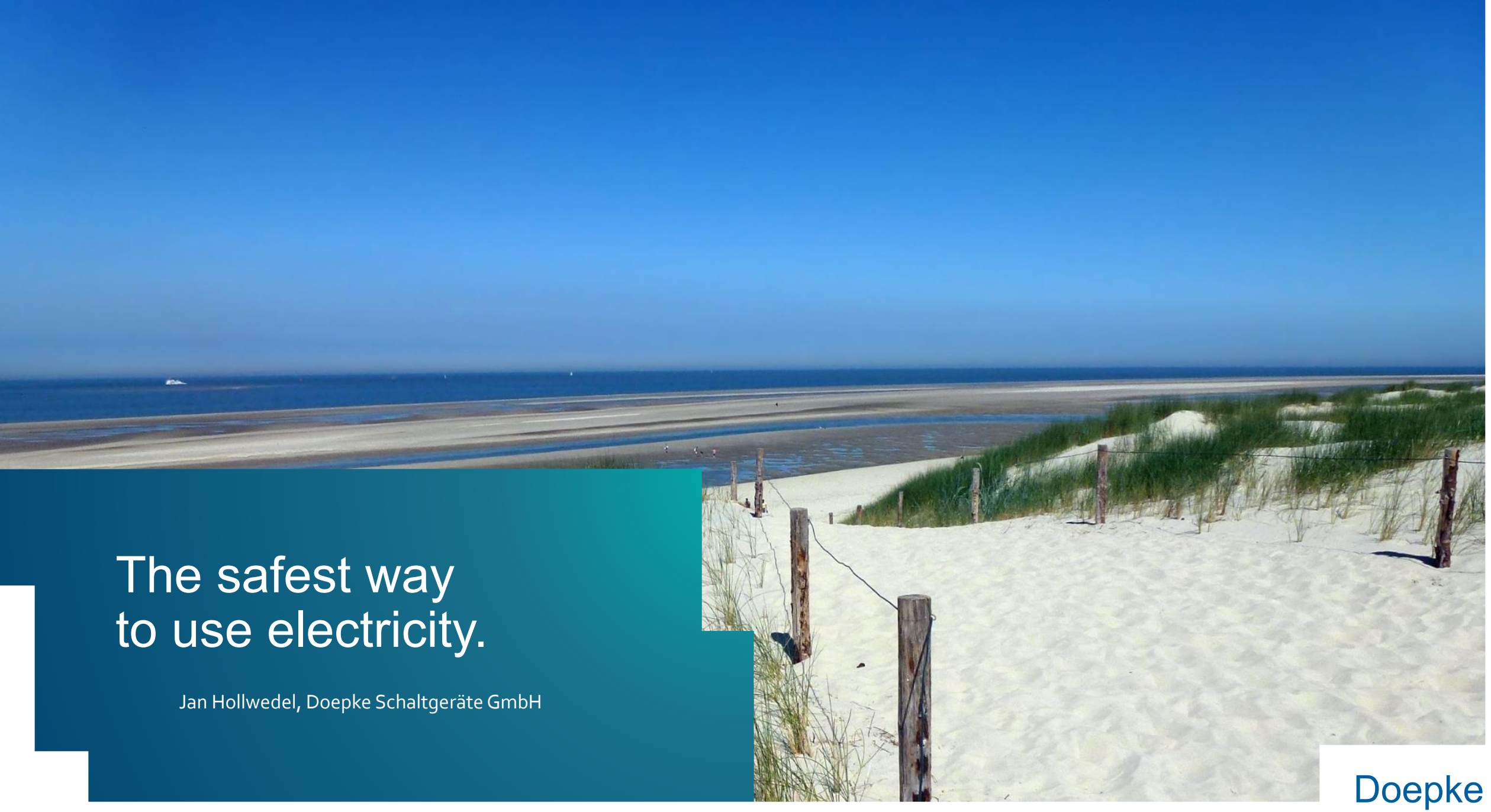

The safest way to use electricity.

Jan Hollwedel, Doepke Schaltgeräte GmbH

Doepke

Doepke

Jan Hollwedel

Technical Sales
International

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Topic of the seminar

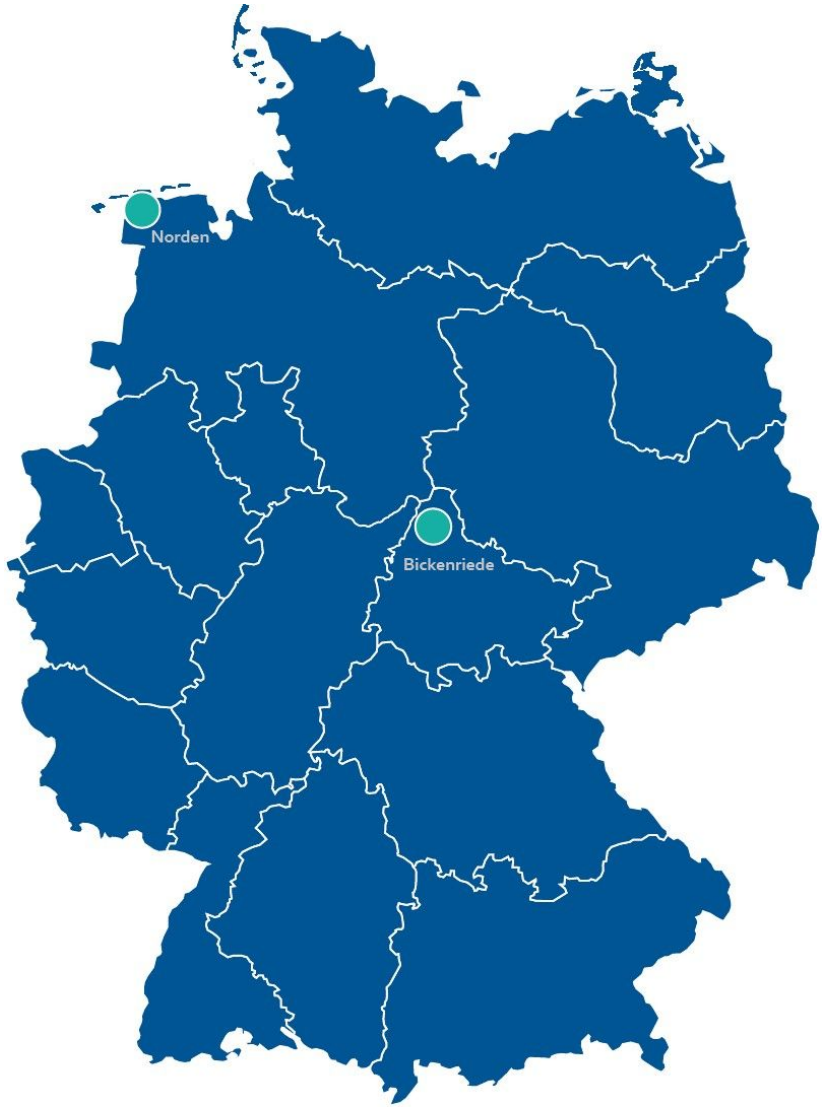
Doepke

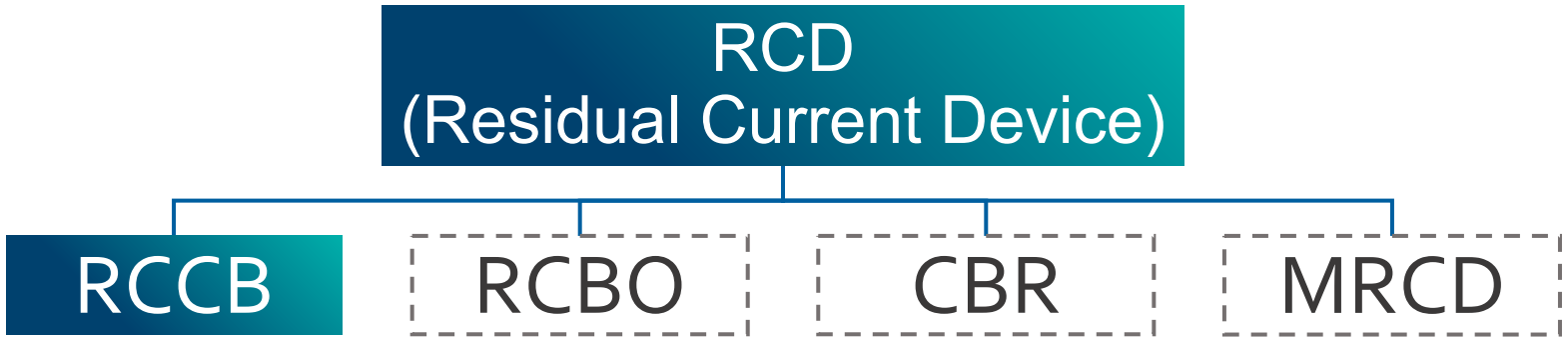
Agenda

- Who is Doepke?
- Definition and usecases of the different RCCB types?

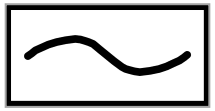
Who is Doepke?

- Private owned medium size company
- Located in the North West of Germany
- Founded in 1956
- One of the first producers of RCCBs in the 1950
- Since than the specialist for residual current technology with the widest range of RCCBs on the market
- Made in Germany

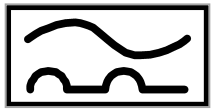



RCD
(Residual Current Device)
RCCB
RCBO
CBR
MRCD

Definition: Type AC / Type A / Type F / Type B

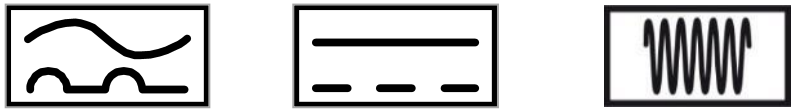


Typ AC



Typ A

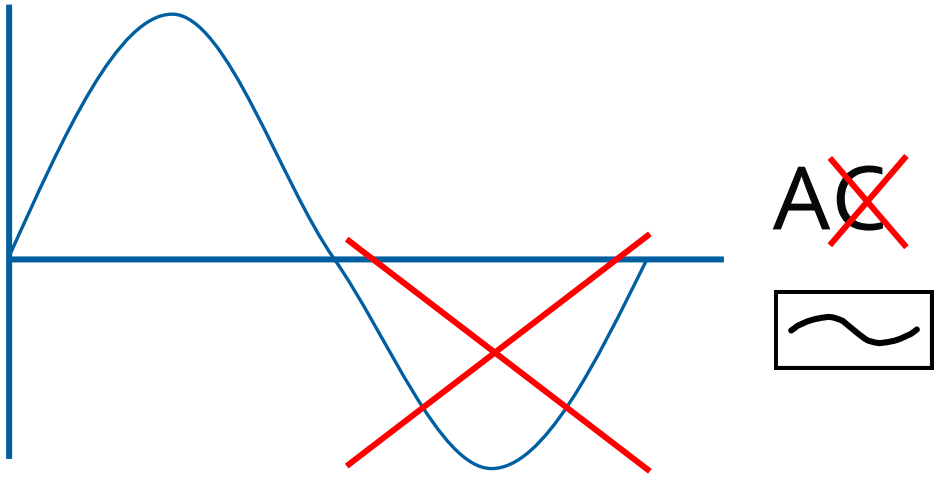
Typ F



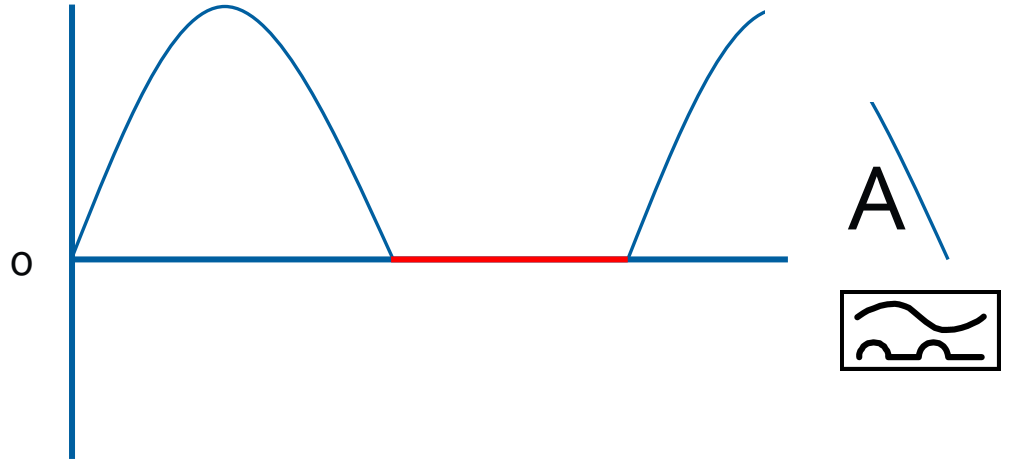
Typ B

Definition: Typ A

230V/50Hz



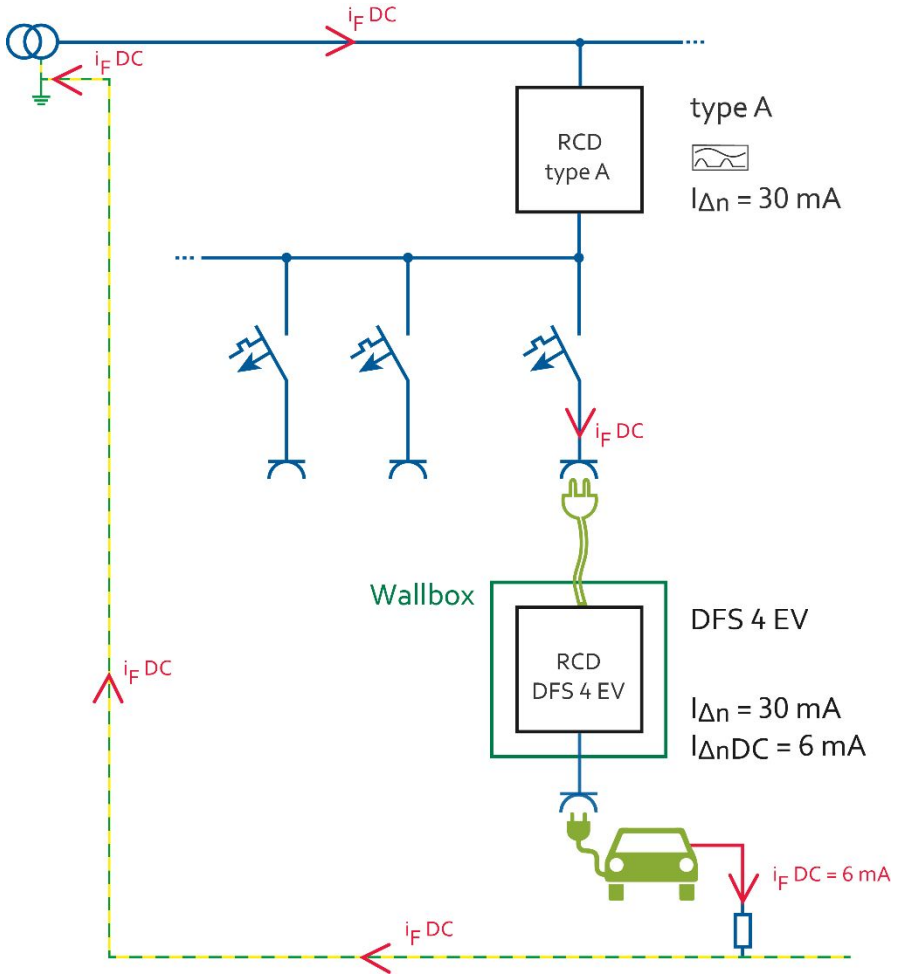
Type AC: Only detection of AC residual currents



Type A: Detection of AC residual and pulsating DC residual currents

Typ A EV

TN-system



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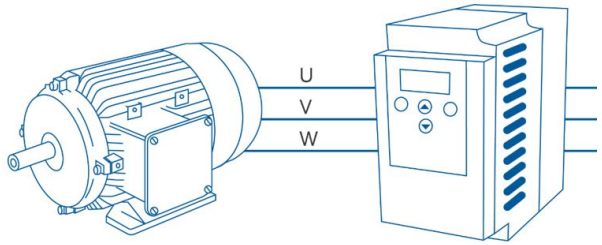
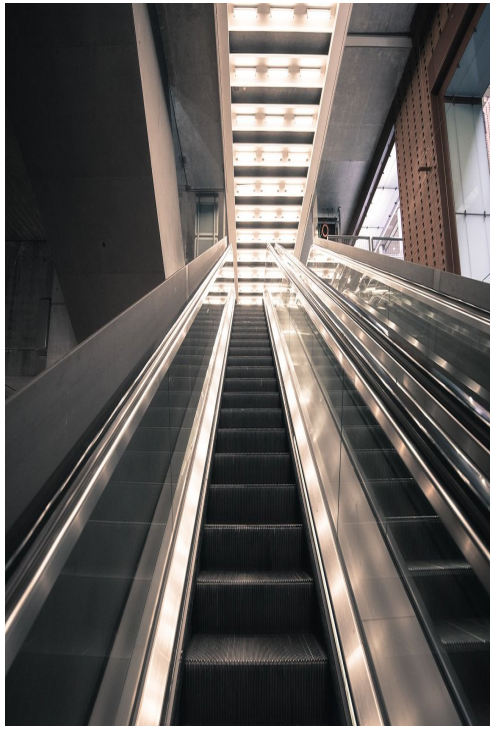
Definition: Typ B

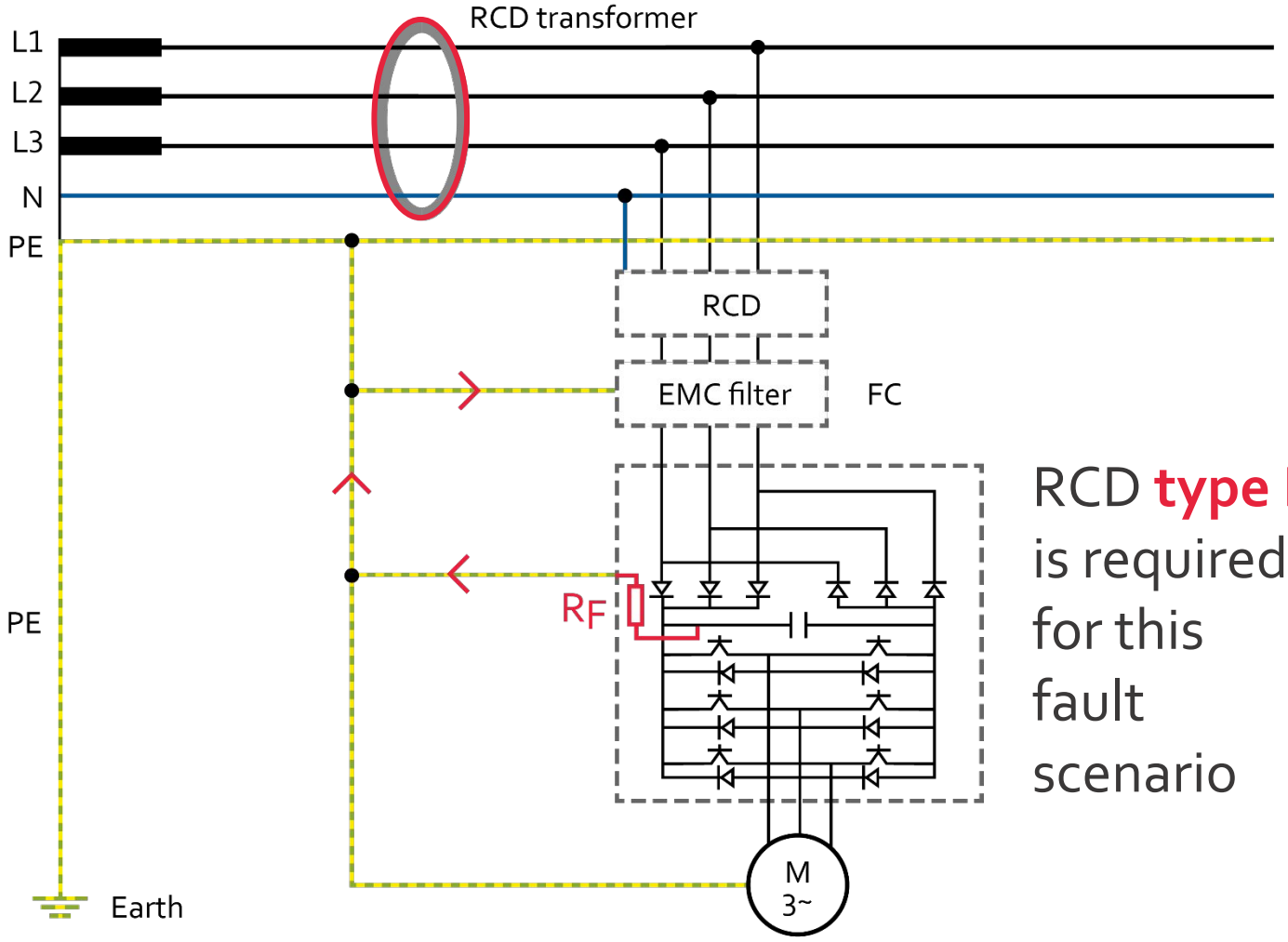
Type B: Detection of residual current faults up to a frequency range of 150 kHz as well as smooth DC faults.

Typical applications:

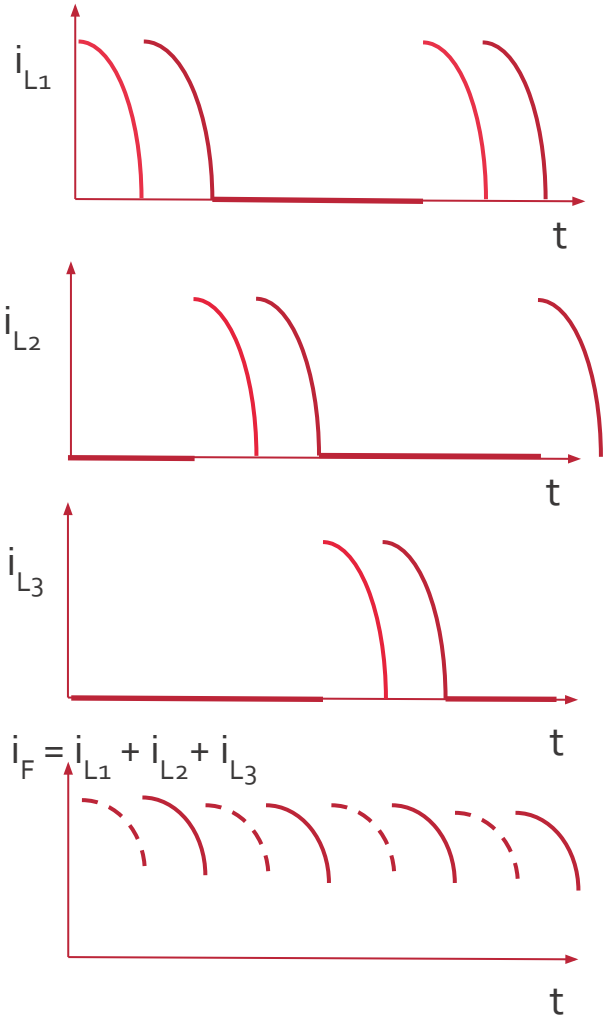




Insulation fault in the DC link of a frequency converter



RCD **type B** is required for this fault scenario



Heavy Duty (HD) for harsh environments

- extremely resistant to corrosion
- less sensitive to environmental influences
- latch made from robust stainless steel
- extended temperature range

Frost Heat Dust Moisture Corrosive gases

Doepke

Many thanks for your attention!

PREMIUM MARKEN Partner

ELEKTRO MARKEN STARKE PARTNER

We are partner.

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