1MRK505 001-UEN
User's Guide

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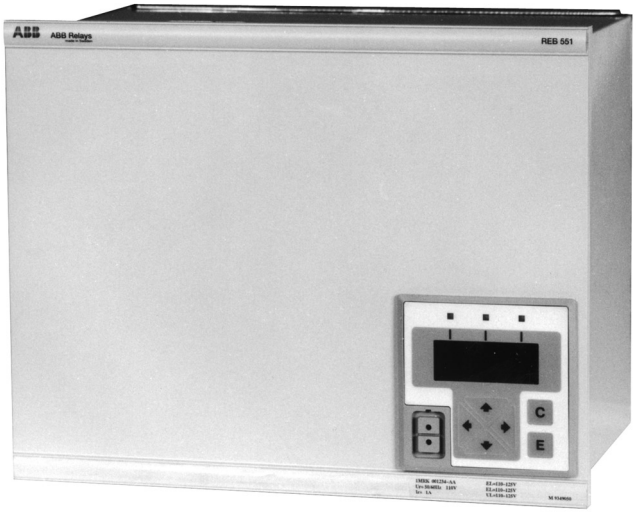
Data subject to change
without notice

ABB Network Partner AB

REB 551
Breaker protection terminal



(X80089-1)

Features

- Breaker related protection and associated functions in a numerical unit
- Reduces engineering and wiring cost
- Applications:
  - Retrofit installations
  - Single and double busbar arrangements
  - $1^1/_2$ breaker arrangements
  - Double breaker arrangements
  - Ringbus arrangments
- Moderate requirements on the measuring transformers
- Versatile local man machine communication (MMC) from the relay front panel, together with the two optionally built-in serial ports, brings REB 551 close to the user, whether he is located in a substation, control center or in a office.
- Extensive self-supervision with fault diagnostics presented on an MMI unit.
- The basic version of REB 551 includes:
  - Breaker failure protection
  - Synchronism and energizing check
  - Pole discordance protection
  - System supervision overload
  - Fuse failure supervision
  - CT supervision
  - Single- and/or three-phase phase tripping
  - Presentation of phase values
  - Event recorder
  - Configurable logic circuits