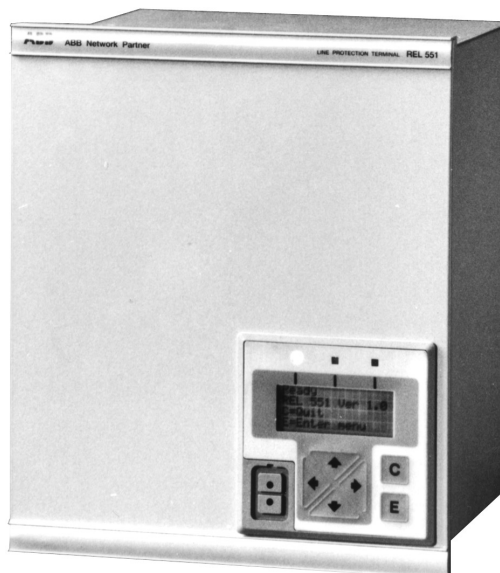


## **REL 551**

### **Line differential protection terminal**



(SE 95 02 13)

### **Features**

- Phase segregated line differential protection
- Current differential measurement evaluating both magnitude and phase angle
- Master/master design
- Settable through current stabilisation
- Current transformer saturation detector increasing the degree of stabilisation
- Operation time typically 28 ms
- Digital communication
- Continuous compensation of transmission delay, enabling use of route switched communication network
- MUX-ed 56/64 kbit/s channels complying to CCITT and EIA standards can be used
- Built-in communication for dedicated opto fibres up to 30 km
- Additional communication options for dedicated opto fibres up to 120 km
- Direct intertrip function within the digital communication channel
- Communication channel supervision
- Numerical filtering and measuring techniques ensuring correct performance during transient condition
- Versatile man machine communication from the front of the protection and two optional built-in serial ports
- Extensive self supervision with fault diagnostics
- The following optional functions are available:
  - Independent time overcurrent protection
  - Non-directional earth fault current protection
  - Multi shot three-pole autoreclosing
  - Breaker failure protection
  - Event reports from the last ten disturbances with up to 150 time tagged events for each disturbance
  - Disturbance recorder with up to 10 analogue and 48 binary signals