



● Protective Functions

- ✓ 3 phase overcurrent Protection (50/51)
- ✓ Earth fault overcurrent Protection (50N/51N)
- ✓ Sensitive Earth fault overcurrent Protection (50N/51N)
- ✓ Derived earth fault overcurrent Protection (50N/51N)
- ✓ Undercurrent (37)
- ✓ Negative sequence overcurrent (46)
- ✓ Thermal overload (49)
- ✓ Auto recloser (79)
- ✓ Circuit breaker failure detection (50BF)
- ✓ Broken conductor detection I2/I1 (46BC)
- ✓ Output relay latching (86)
- ✓ Blocking logic
- ✓ Test of output relays (maintenance)
- ✓ Trip circuit supervision (74)
- ✓ CB control local / remote
- ✓ Circuit breaker maintenance
- ✓ Cold load pick up (CLP)
- ✓ Inrush blocking
- ✓ Selective relay scheme logic

● Commands that can be Executed from the HMI

- ✓ Open/Close Breaker
- ✓ 79 Block/Unblock
- ✓ Local/Remote control

● Customer Benefits

- ✓ Highly reliable
- ✓ Full set of measurements, metering and records
- ✓ Simple and flexible solution

● Features

- ✓ Dual rated CT inputs (1A or 5A)
- ✓ 2 setting groups
- ✓ Up to 1000 events, 100 fault and 16 disturbance records available
- ✓ Time synchronization via PC
- ✓ Logic equation (AND, OR and NOT gates)
- ✓ 8 LEDs for Relay status and programmable functions
- ✓ 5 Digital Outputs
- ✓ 8 Digital Inputs
- ✓ 5 Analog Inputs (1A/5A)
- ✓ Settings software using RS232 front port
- ✓ DNP3.0 Protocol via rear RS485 port
- ✓ Easy integration in substation Digital Control System or SCADA through Modbus RTU or DNP3.0
- ✓ Compliance with international standard EN 60255-27