



● Protective Functions

- ✓ 3 phase directional overcurrent Protection (67P)
- ✓ Earth fault directional overcurrent (67N)
- ✓ Derived earth fault (67N)
- ✓ Voltage controlled overcurrent (51V)
- ✓ 3 phase overcurrent Protection (50/51)
- ✓ Earth overcurrent Protection (50N/51N)
- ✓ 3 phase undercurrent (37)
- ✓ Restricted Earth Fault Protection (64N)
- ✓ Phase under/over voltage (AND & OR mode) (27/59)
- ✓ Residual over voltage (59N)
- ✓ Negative sequence overcurrent (46)
- ✓ Thermal overload (49)
- ✓ Auto recloser (79)
- ✓ Negative overvoltage (47)
- ✓ Directional power (32)
- ✓ Circuit breaker failure detection (50BF)
- ✓ Broken conductor detection I2/I1 (46BC)
- ✓ Output relay latching (86)
- ✓ Blocking logic
- ✓ Test of output relays (maintenance)
- ✓ CB control local / remote
- ✓ Circuit breaker maintenance
- ✓ Cold load pick up (CLP)
- ✓ Trip circuit supervision
- ✓ Inrush blocking
- ✓ Phase rotation
- ✓ Selective relay scheme logic
- ✓ VT supervision
- ✓ CT supervision

● Customer Benefits

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

● Features

- ✓ Dual rated CT inputs (1A or 5A)
- ✓ 8 setting groups
- ✓ Up to 250 events, 25 fault and 5 disturbance records available
- ✓ Time synchronization via PC
- ✓ 2X16 LCD display
- ✓ 8 LEDs for Relay status and programmable functions
- ✓ 8 Digital Outputs
- ✓ 7 digital Inputs (12 optional)
- ✓ 7 Analog Inputs (1A/5A)
- ✓ Settings software using RS232 front port or RS485 rear port
- ✓ Easy integration in substation Digital Control System or SCADA through Modbus RTU
- ✓ Compliance with international standard EN 60255-27