



• Protective Functions

- ✓ Thermal overload (49)
- ✓ Phase over current (50/51)
- ✓ Earth fault (50N/51N)
- ✓ Unbalance (46)
- ✓ Undervoltage (27)
- ✓ Over voltage (59)
- ✓ Excess long start (48)
- ✓ Blocked rotor (51LR-50S)
- ✓ Loss of load (37)
- ✓ Thermal overload with RTD (optional) (49 RTD)

• Control and Monitoring

- ✓ Anti back spin (ABS) (27)
- ✓ Emergency start
- ✓ Min time between 2 starts
- ✓ General reset, start or stop motor local control (orders menu)
- ✓ Alarm inhibition facilities
- ✓ Boolean equations (and, and not, or and or not gates, 8 equations)
- ✓ Circuit Breaker Supervision and Monitoring
- ✓ Trip circuit supervision
- ✓ 2 Setting groups

• Measurements and records

- ✓ Measurements (True RMS + Fundamental + direct/derived Current/Voltage)
- ✓ 25 Faults records
- ✓ 250 Events records
- ✓ 5 Disturbance records

• Communications

- ✓ RS232 front communication port
- ✓ RS485 rear communication port
- ✓ Optional second RS485 communication port

• Communication protocols

- ✓ Modbus RTU
- ✓ IEC60870-5-103

• Hardware

- ✓ 6 Digital inputs
- ✓ 5 Output relays
- ✓ 1or3 Bus voltage control (optional voltage inputs)
- ✓ 8 RTD connections (optional)
- ✓ 4 1/5 dual rated AC current inputs (set table)
- ✓ Re-acceleration authorization
- ✓ Auto re-start
- ✓ Process menu
- ✓ Trip statistics
- ✓ Latching relays