Sepam series 60

Sepam series 60 is a family of high performance digital protection relays, for all public or industrial distribution network protection applications.

Characteristics

Conformity to standards
- IEC 60255 - Protection relays
- IEC 60529 - Degree of protection IP52 on front panel
- IEC 60068 - Operating temperature -25°C to +70°C (-13°F to +158°F)
- SIA 364-65A - Conformal coated IIIA

Certifications
- CE, UL508, CSA C22.2

Auxiliary power supply
- 24-250 V DC

Overall size of base units (H x W x D)
- 264 X 222 X 220 mm

Sepam series 60 and its optional modules

1. Base unit, with two types of User Machine Interfaces (UMI):
   - Integrated mimic-based UMI
   - Integrated or remote advanced UMI.

2. Parameters and protection settings saved on removable memory cartridge.

3. 28 logic inputs and 16 relay outputs, including 4 outputs on the base unit + 2 optional modules each providing 14 inputs and 6 outputs.

4. Until 4 communication ports + 1 front port:
   - Integrated redundancy RSTP
   - IEC 61850 and Modbus TCP/IP,
   - Communication between relays with IEC 61850 GOOSE message,
   - Modbus, Modbus TCP/IP,
   - IEC 60870-5-103, DNP3 and IEC 61850, communication protocols (wire or fiber optic network),
   - Synchronisation through Ethernet SNTP protocol.

5. Temperature data from 16 sensors, Pt100, Ni100, or Ni120.

6. 1 analog output, 0-1 mA, 0-10 mA, 4-20 mA or 0-20 mA.

7. Synchro-check module

8. Software tools:
   - Sepam parameter and protection setting and control function customization
   - Recovery and display of disturbance recording data
   - Local or remote operation via the front and back port.