Technical Specification

Technical specification - OVR-27 Recloser with GAO4 Control Cabinet
Standard model and configuration

Product code 2RCA047969A0001

OVR-27 (HV cabinet)

- Three phase recloser with mechanically ganged operation
- HV cabinet made of painted stainless steel
  - size: h=955 mm, w= 1312 mm, d=576 mm
  - weight 140kg
- Eco-efficient with time-proven HCEP insulation material suitable for heavily polluted areas
- Current transformers (3, load side) and voltage dividers (3, supply side) integrated into the poles
- Position indicator (RED=CLOSE, GREEN=OPEN) to be checked
- Inbuilt manual trip handle and interlocking including separate reset handle for manual trip and interlocking
- MV connection bolt diameters and thread dimensions
**GAO4 control cabinet (LV cabinet)**

- Stainless steel, AISI 304
  - IP55
  - size: h=620mm, w=500mm, d=357mm
  - weight 71 kg
- Integrated and pad lockable handle (diameter 8 mm and/or 5.5mm)
- auxiliary supply voltage 110 - 240 VAC
- 24Ah long life batteries
- RER615 protection-, supervision- and control unit
  - Relay order code: HBRDADNABB1BBAN21
  - Languages:     English (IEC) / English (ANSI)
  - Communication protocols:
    - IEC 61850 + IEC 60870-5-101 + IEC 60870-5-104
- Standard application for recloser with the following functions activated:
  - Local operation from RER615 HMI (Open / Close and Local/Remote)
Measurements:
- Current measurements, 3I load side
- Voltage measurements, 3U load side

Protection functions:
- Directional earth-fault protection, Io>, Io>>
- Directional Overcurrent protection, 3I>, 3I>>
- Negative-sequence overcurrent (broken conductor)
- Frequency protection, f>, f<
- Voltage protection U>, U<
- Reclosing functionality
  - Aux supply cable connection dimensions with bushing up to 3* 6mm² to terminal blocks
  - Hatch lock for connectors on the bottom of the control cabinet
  - Door micro switch (for door alarm)
  - Aux supply voltage presence indicator
  - Auxiliary contact for main MCB alarm
  - Anti-condenstation heater with thermostat

The picture shows a GAO4 cabinet with optional accessories not listed above.
**Standard accessories**

- Mounting frame for **Recloser**, mounting equipment for substation mounting and mounting brackets for 6 (six) surge arresters (arresters not included).
- Substation mounting equipment for **control cabinet**
- Control cable length 12 m with multi-pin connectors in both HV and LV cabinets.
- 6 pcs NEMA 2 connectors
- Standard package to be defined for both Recloser and Control Cabinet
  - HV unit package size: h=1210 mm, w = 1490 mm, d= 820 mm
  - HV unit weight 220 kg
  - Structure package size: h=1510, w=6720, d=440
  - Structure package weight 222 kg
  - LV unit package size: h=800 mm, w= 600 mm, d=580 mm
  - LV unit weight 75 kg