



### Main

|                           |                                        |
|---------------------------|----------------------------------------|
| Network rated voltage     | 400 V AC 50 Hz<br>415 V AC 50 Hz       |
| Reactive power rating     | 1100 kvar                              |
| Operating mode            | Automatic                              |
| Range                     | VarSet                                 |
| Device short name         | VarSet automatic with detuned reactors |
| Product or component type | Capacitor bank                         |

### Complementary

|                                             |                                                                                                                                                                        |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Network pollution level                     | Polluted                                                                                                                                                               |
| [Gh/Sn] harmonic pollution rate             | 25...50 %                                                                                                                                                              |
| [THDU] total harmonic distortion of voltage | 4...7 %                                                                                                                                                                |
| Tuning factor                               | 3.8                                                                                                                                                                    |
| Tuning frequency                            | 190 Hz                                                                                                                                                                 |
| Power per step                              | 50 kvar                                                                                                                                                                |
| Step composition                            | 50 + 50 + 10x100                                                                                                                                                       |
| Location of connection                      | Bottom                                                                                                                                                                 |
| Controller type                             | Varplus Logic VPL12 Modbus                                                                                                                                             |
| Capacitor technology                        | VarplusCan + detuned reactors                                                                                                                                          |
| Poles description                           | 3P                                                                                                                                                                     |
| Capacitance tolerance                       | - 5 % to 10 %                                                                                                                                                          |
| [Ui] rated insulation voltage               | 800 V                                                                                                                                                                  |
| [Uimp] rated impulse withstand voltage      | 8 kV                                                                                                                                                                   |
| Maximum permissible voltage                 | 1.1 x Un (8 hours over 24 hours) conforming to IEC 60831                                                                                                               |
| [Imp] maximum permanent current             | Capacitor: 1.8 x In at 480 V conforming to IEC 60831<br>Battery: 1.19 x In at 400 V conforming to IEC 61439-2<br>Battery: 1.19 x In at 415 V conforming to IEC 61439-2 |
| Main incomer protection                     | Circuit breaker protection                                                                                                                                             |
| Breaking capacity                           | Icu 65 kA                                                                                                                                                              |
| Control type                                | Rotary handle                                                                                                                                                          |
| Step protection type                        | Overload: harmonic control from VarPlus Logic<br>Short-circuit: fuse                                                                                                   |
| Accessibility for operation                 | Front                                                                                                                                                                  |
| Colour                                      | Grey (RAL 7035)                                                                                                                                                        |
| Maximum weight                              | 1904 kg                                                                                                                                                                |
| Height                                      | 2200 mm                                                                                                                                                                |
| Width                                       | 1600 Mm capacitor:<br>1200 mm detuned reactor:                                                                                                                         |
| Depth                                       | 600 mm                                                                                                                                                                 |
| Provided equipment                          | Auxiliary transformer                                                                                                                                                  |
| Internal voltage transformer                | 400/230 V - 1000 VA                                                                                                                                                    |
| Function available                          | Alarm contact<br>GenSet shedding contact                                                                                                                               |

## Environment

|                                               |                                         |
|-----------------------------------------------|-----------------------------------------|
| Standards                                     | IEC 61439-1<br>IEC 61921<br>IEC 61439-2 |
| Product certifications                        | EAC<br>CE<br>ASEFA                      |
| Mounting location                             | Indoor                                  |
| IP degree of protection                       | Environment: IP31<br>Safety: IPxx B     |
| IK degree of protection                       | IK10                                    |
| Relative humidity                             | 0...95 %                                |
| Operating altitude                            | <= 2000 m                               |
| Ambient air temperature for operation         | -5...45 °C                              |
| Average ambient air temperature for operation | 35 °C (annual)<br>45 °C (over 24 hours) |

## Packing Units

|                  |           |
|------------------|-----------|
| Package 1 Weight | 1.972 kg  |
| Package 1 Height | 23.000 dm |
| Package 1 width  | 16.000 dm |
| Package 1 Length | 15.600 dm |