



## Main

|                           |                                               |
|---------------------------|-----------------------------------------------|
| Network rated voltage     | 400 V AC 60 Hz<br>415 V AC 60 Hz              |
| Reactive power rating     | 300 kvar                                      |
| Operating mode            | Automatic                                     |
| Range                     | PowerLogic                                    |
| Device short name         | automatic capacitor bank with detuned reactor |
| 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                            | 228 Hz                                                                                                                                                                 |
| Power per step                              | 50 kvar                                                                                                                                                                |
| Step composition                            | 2x50 + 2x100                                                                                                                                                           |
| Location of connection                      | Bottom                                                                                                                                                                 |
| Controller type                             | PowerLogic PFC Controller VPL6                                                                                                                                         |
| Capacitor technology                        | PowerLogic PFC Capacitor + Detuned Reactor                                                                                                                             |
| 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 50 kA                                                                                                                                                              |
| Control type                                | Rotary handle                                                                                                                                                          |
| Step protection type                        | Overload: harmonic control from PowerLogic PFC Controller<br>Short-circuit: fuse                                                                                       |
| Accessibility for operation                 | Front                                                                                                                                                                  |
| Colour                                      | Grey (RAL 7035)                                                                                                                                                        |
| Maximum weight                              | 400 kg                                                                                                                                                                 |
| Height                                      | 2000 mm                                                                                                                                                                |
| Width                                       | 800 mm                                                                                                                                                                 |
| Depth                                       | 600 mm                                                                                                                                                                 |
| Provided equipment                          | Auxiliary transformer                                                                                                                                                  |
| Internal voltage transformer                | 400/230 V - 630 VA                                                                                                                                                     |
| Function available                          | Alarm contact<br>GenSet shedding contact                                                                                                                               |

## Environment

|                                               |                                         |
|-----------------------------------------------|-----------------------------------------|
| Standards                                     | IEC 61439-1<br>IEC 61439-2<br>IEC 61921 |
| Product certifications                        | ASEFA[RETURN]CE[RETURN]EAC              |
| 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) |

## Offer Sustainability

|                            |                                                                                                                                 |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                           |
| REACH Regulation           |  <a href="#">REACH Declaration</a>             |
| EU RoHS Directive          | Compliant with Exemptions                                                                                                       |
| Mercury free               | Yes                                                                                                                             |
| RoHS exemption information |  <a href="#">Yes</a>                           |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a>        |
| Environmental Disclosure   |  <a href="#">Product Environmental Profile</a> |
| Circularity Profile        |  <a href="#">End Of Life Information</a>      |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins     |