

# Product datasheet

Specifications



## automatic PowerLogic PFC Capacitor bank. 250kvar DR3.8 with incomer CB xxB 400V 50Hz

VLVA6P03514AA

! Discontinued

! Discontinued on: 23 Jul 2021

! End-of-service on: 28 Aug 2023

Price: 307,164.58 ZAR

### Main

|                           |                                               |
|---------------------------|-----------------------------------------------|
| Network Rated Voltage     | 400 V AC 50 Hz<br>415 V AC 50 Hz              |
| Reactive Power Rating     | 250 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 Distorsion Of Voltage | 4...7 %                                                                                                                                                                |
| Tuning Factor                               | 3.8                                                                                                                                                                    |
| Tuning Frequency                            | 190 Hz                                                                                                                                                                 |
| Power Per Step                              | 50 kvar                                                                                                                                                                |
| Step Composition                            | 50 + 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                                                                                                                                                          |

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

|                              |                                                                                  |
|------------------------------|----------------------------------------------------------------------------------|
| Step Protection Type         | Overload: harmonic control from PowerLogic PFC Controller<br>Short-circuit: fuse |
| Accessibility For Operation  | Front                                                                            |
| Colour                       | Grey (RAL 7035)                                                                  |
| Maximum Weight               | 952 kg                                                                           |
| Height                       | 2200 mm                                                                          |
| Width                        | Capacitor: 800 mm<br>Detuned reactor: 600 mm                                     |
| Depth                        | 600 mm                                                                           |
| Provided Equipment           | Auxiliary transformer                                                            |
| Internal Voltage Transformer | 400/230 V - 1000 VA                                                              |
| Function Available           | GenSet shedding contact<br>Alarm contact                                         |

## Environment

|                                               |                                         |
|-----------------------------------------------|-----------------------------------------|
| Standards                                     | IEC 61439-1<br>IEC 61439-2<br>IEC 61921 |
| Product Certifications                        | CE<br>ASEFA<br>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) |

## Packing Units

|                              |     |
|------------------------------|-----|
| Unit Type Of Package 1       | PCE |
| Number Of Units In Package 1 | 1   |