

Product data sheet

Specifications



fixed PowerLogic PFC Capacitor bank, 50kvar DR3,8 with incomer CB 400V 50Hz

VLVFF2P03506AA

Main

| | |
|---------------------------|---|
| Network Rated Voltage | 400 V AC 50 Hz 415 V AC 50 Hz |
| Reactive Power Rating | 50 kvar |
| Operating Mode | Fixed |
| Range | PowerLogic |
| Device Short Name | fixed 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 |
| Location Of Connection | Bottom |
| Capacitor Technology | PowerLogic PFC Capacitor + Detuned Reactor |
| Poles Description | 3P |
| Capacitance Tolerance | - 5 % to 10 % |
| [Ui] Rated Insulation Voltage | 690 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 Battery: 1.19 x In at 400 V conforming to IEC 61439-2 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 |
| Accessibility For Operation | Front |
| Colour | Grey (RAL 7035) |
| Maximum Weight | 320 kg |

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

| | |
|------------------------------|--|
| Height | 1400 mm |
| Width | 800 mm |
| Depth | 600 mm |
| Provided Equipment | Auxiliary transformer |
| Internal Voltage Transformer | 400/230 V - 100 VA |
| Function Available | GenSet shedding contact Alarm contact |

Environment

| | |
|---|---|
| Standards | IEC 61439-1 IEC 61921 IEC 61439-2 |
| Product Certifications | EAC ASEFA CE |
| Mounting Location | Indoor |
| Ip Degree Of Protection | Environment: IP31 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) 45 °C (over 24 hours) |

Packing Units

| | |
|------------------------------|--------|
| Unit Type Of Package 1 | PCE |
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 80 cm |
| Package 1 Width | 120 cm |
| Package 1 Length | 150 cm |
| Package 1 Weight | 322 kg |

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information [Yes](#)

Certifications & Standards

| | |
|--------------------------|---|
| Reach Regulation | REACH Declaration |
| Eu Rohs Directive | Compliant with Exemptions |
| China Rohs Regulation | China RoHS declaration Product out of China RoHS scope. Substance declaration for your information |
| Environmental Disclosure | Product Environmental Profile |
| Weee | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |