

# Product data sheet

Specifications



## automatic PowerLogic PFC Capacitor bank, 100kvar 400V 60Hz CB

VLVAW1N03608AB

### Main

Network Rated Voltage	400 V AC 60 Hz 415 V AC 60 Hz
Reactive Power Rating	100 kvar
Operating Mode	Automatic
Range	PowerLogic
Device Short Name	automatic capacitor bank
Product Or Component Type	Capacitor bank

### Complementary

Network Pollution Level	Low polluted
[Gh/Sn] Harmonic Pollution Rate	15...25 %
[Thdu] Total Harmonic Distorsion Of Voltage	3...4 %
Power Per Step	25 kvar
Step Composition	4x25
Location Of Connection	Bottom
Controller Type	PowerLogic PFC Controller VPL6
Capacitor Technology	PowerLogic PFC Capacitor
Poles Description	3P
Capacitance Tolerance	- 5 % to 10 %
[Ui] Rated Insulation Voltage	690 V
[Uimp] Rated Impulse Withstand Voltage	6 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: 1.43 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 35 kA
Step Protection Type	Overload: harmonic control from PowerLogic PFC Controller Short-circuit: main circuit breaker
Accessibility For Operation	Front
Colour	Grey (RAL 7035)
Maximum Weight	73 kg
Height	700 mm

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

Width	600 mm
Depth	300 mm
Provided Equipment	Auxiliary transformer
Internal Voltage Transformer	400/230 V - 100 VA
Function Available	GenSet shedding contact Alarm contact

## Environment

Standards	IEC 61439-2 IEC 61439-1 IEC 61921
Product Certifications	CE EAC ASEFA
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	87.0 cm
Package 1 Width	80.0 cm
Package 1 Length	120.0 cm
Package 1 Weight	73.0 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-CO<sub>2</sub> 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	<a href="#">REACH Declaration</a>
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	<a href="#">End of Life Information</a>