

Product data sheet

Specifications



automatic PowerLogic PFC Capacitor bank, 250kvar DR3,8 Top entry 400V 50Hz CB

VLVAF6P03514AK

 **Discontinued on:** Oct 11, 2023

 **Discontinued**

Main

Network Rated Voltage	400 V AC 50 Hz 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	Top
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 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
Step Protection Type	Overload: harmonic control from PowerLogic PFC Controller Short-circuit: fuse

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

Accessibility For Operation	Front
Colour	Grey (RAL 7035)
Maximum Weight	952 kg
Height	2200 mm
Width	800 mm capacitor: 600 mm detuned reactor:
Depth	600 mm
Provided Equipment	Auxiliary transformer
Internal Voltage Transformer	400/230 V - 1000 VA
Function Available	Alarm contact GenSet shedding contact

Environment

Standards	IEC 61439-1 IEC 61439-2 IEC 61921
Product Certifications	ASEFA CE EAC
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