

Product data sheet

Specifications



automatic PowerLogic PFC Capacitor base, 500kvar 400V/60Hz

VLVB166

Main

Network Rated Voltage	400 V AC 60 Hz 415 V AC 60 Hz
Reactive Power Rating	500 kvar
Operating Mode	Automatic
Range Of Product	PowerLogic
Device Short Name	automatic capacitor bank

Complementary

Network Pollution Level	Low polluted
[Gh/Sn] Harmonic Pollution Rate	0...25 %
[Thdu] Total Harmonic Distorsion	0...5 %
Step Sequences	1.1.2
Power Per Step	50 kvar
Step Composition	2x50 + 4x100
Capacitor Technology	HDuty
Step Protection Type	Overload: step circuit breaker Short-circuit: step circuit breaker
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	1.3 x In at 400 V conforming to IEC 60831
Colour	White (RAL 9003)
Location Of Connection	Top or bottom
Maximum Weight	434 kg
Height	2200 mm
Width	800 mm
Depth	600 mm

Environment

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

Standards	IEC 61439-2 IEC 61921 IEC 61439-1
Mounting Location	Indoor
Ik Degree Of Protection	IK10
Relative Humidity	0...95 %
Operating Altitude	<= 2000 m
Ambient Air Temperature For Operation	-5...40 °C
Average Ambient Air Temperature For Operation	35 °C (over 24 hours)

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	1.0 cm
Package 1 Width	2.0 cm
Package 1 Length	3.0 cm
Package 1 Weight	434.0 kg

Contractual warranty

Warranty	18 months
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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 >](#)

Eu Rohs Directive	Not applicable, out of EU RoHS legal scope
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