

# Product data sheet

Specifications



automatic PowerLogic PFC  
Capacitor bank, transient free, CB  
(6000s) 1200 kVar, 480 V - Top -  
NEMA 1

BT120046AVBF3N

Product availability: Non-Stock - Not normally stocked in  
distribution facility

Price\*: 569,511.44 USD

## Main

Network Rated Voltage	480 V AC 60 Hz
Reactive Power Rating	1200 kvar
Operating Mode	Automatic & transient free
Range Of Product	PowerLogic
Device Short Name	PowerLogic PFC Smart
Product Or Component Type	Capacitor bank
Controller Type	PowerLogic PFC Controller VPL12
Capacitor Technology	PowerLogic PFC Capacitor + Detuned Reactor
Accessibility For Operation	Front
Color	Gray ASA 49)

## Complementary

Network Pollution Level	Low polluted
[Thdv] Total Harmonic Distortion	0...5 %
Thdi	0...8 %
Tuning Factor	4.2
Tuning Frequency	252 Hz
Power Per Step	150 kvar
Step Composition	8x150
Location Of Connection	Top
Internal Voltage Transformer	480/120 V
Poles Description	3P
Capacitance Tolerance	- 5 % to 10 %
Maximum Permissible Voltage	1.1 x Un 8 hours over 24 hours)
Protection Type	Circuit breaker protection
Breaking Capacity	65 kA
Control Type	Rotary handle
Maximum Weight	5092.68 lb(US) (2310 kg)
Height	91.50 in (2324 mm)

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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	90.00 in (2286 mm)
Depth	36.02 in (915 mm)
Mounting Location	Indoor

## Environment

Standards	CSA C22.2 No 190-M1985
Mechanical Degree Of Protection	IK10
Relative Humidity	0...95 %
Operating Altitude	<= 6561.68 ft (2000 m)
Ambient Air Temperature For Operation	14...104 °F (-10...40 °C)
Average Ambient Air Temperature For Operation	30 °C annual)

## Ordering and shipping details

Category	US1DE2C00087
Discount Schedule	DE2C
Returnability	No

## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Weight	4300.00 lb(US) (1950.447 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 >](#)

Eu Rohs Directive	Under investigation
California Proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>