Product data sheet

Specifications

Discontinued - Service only

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

BT120046AVBF3N

Discontinued on: Jun 20, 2025

To be end-of-service on: Apr 30, 2030

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

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	5092.7 lb(US) (2310 kg)

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

Height	91.5 in (2324 mm)
Width	90 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
GTIN	3606487729839
Returnability	No

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package weight(Lbs)	4300.003 lb(US) (1950.447 kg)

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained

How we assess product sustainability

Use Better

Materials and Substances

Packaging made with recycled cardboard	**No**
Packaging without single use plastic	**No**
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 www.P65Warnings.ca.gov**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Take-back	**No**
WEEE Label	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.**