Product data sheet

Specifications

automatic PowerLogic PFC Smart Capacitor bank, 100kvar DR4.2 MLO NE1 480V 60Hz

VA100M4014S

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

Main

Network rated voltage	480 V AC 60 Hz
Reactive power rating	100 kvar
Operating Mode	Automatic
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 RAL 7035)

Complementary

[THDv] Total Harmonic Distortion	0…7 %
Tuning factor	4.2
Tuning frequency	252 Hz
Power per step	25 kvar
Step composition	2x25 + 50
Poles description	3P
Maximum permissible voltage	1.1 x Un 8 hours over 24 hours)
Protection Type	Main lug
incoming connection short circuit rating	65 kA 4 cycles
maximum weight	584.2 lb(US) (265 kg)
Height	47.2 in (1200 mm)
Width	51.2 in (1300 mm)
Depth	15.7 in (400 mm)
Mounting Location	Indoor
NEMA degree of protection	NEMA 1

Environment

Standards	CSA C22.2 No 190-M1985 UL 810 UL 508 A
Product Certifications	cCSAus

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

Relative humidity	0…95 %
Operating altitude	<= 6561.68 ft (2000 m)
Ambient Air Temperature for Operation	14…115 °F (-10…46 °C)
Average ambient air temperature for operation	25 °C annual) 35 °C over 24 hours)

Ordering and shipping details

Category	US1DE2C00086
Discount Schedule	DE2C
GTIN	3606487248651
Returnability	No
Country of origin	US

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	47.200 in (119.888 cm)
Package 1 Width	15.700 in (39.878 cm)
Package 1 Length	51.200 in (130.048 cm)
Package weight(Lbs)	585.001 lb(US) (265.352 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 >

Environmental footprint

Total lifecycle Carbon footprint	**21 921 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**1 524 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**333 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**127 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**19 499 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**438 kg CO2 eq.**
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

Packaging made with recycled cardboard	**No**
Packaging without single use plastic	**No**
EU RoHS Directive	Compliant
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
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**

Energy efficiency

Product contributes to saved and avoided emissions	**Yes**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Recyclability potential, in %	**84**
Circularity Profile	End of Life Information
Take-back	**No**