

Product datasheet

Specifications



VarSet capacitor bank Auto 500kvar DR3,8 xxB 400V 50Hz

VLVAF6P03520AB

EAN Code: 3606480599231

Main

Network rated voltage	400 V AC 50 Hz 415 V AC 50 Hz
Reactive power rating	500 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 distortion of voltage	4...7 %
Tuning factor	3.8
Tuning frequency	190 Hz
Power per step	50 kvar
Step composition	2x50 + 4x100
Location of connection	Bottom
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	Without protection
[Icw] rated short-time withstand current	35 kA at 1 s (Icw)
Step protection type	Overload: harmonic control from PowerLogic PFC Controller Short-circuit: fuse
Accessibility for operation	Front
Colour	Grey (RAL 7035)

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

maximum weight	952 kg
Height	2200 mm
Width	Capacitor: 800 mm Detuned reactor: 600 mm
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 61921 IEC 61439-2 IEC 61439-1
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
Package 1 Height	80.0 cm
Package 1 Width	156.0 cm
Package 1 Length	230.0 cm
Package 1 Weight	649.0 kg

Logistical informations

Country of origin	FR
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Contractual warranty

Warranty (in months)	18
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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	75 625 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	4 330 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	945 kg CO2 eq.
Carbon footprint of the installation phase [A5]	361 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	68 746 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	1 245 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile

Use Better



Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold



Energy efficiency

Product contributes to saved and avoided emissions	Yes
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Use Longer




Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

Recyclability potential, in %	84
End of life manual availability	End of Life Information
Take-back	Nej
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins