

Product data sheet

Characteristics

VLVAF5P03518AD

automatic PowerLogic PFC Capacitor bank,
400kvar DR4,2 with incomer CB xxB 400V
50Hz



Main

Network rated voltage	400 V AC 50 Hz 415 V AC 50 Hz
Reactive power rating	400 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	4.2
Tuning frequency	210 Hz
Power per step	50 kvar
Step composition	2x50 + 3x100
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: 1.31 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	Circuit breaker protection
Breaking capacity	Icu 50 kA
Control type	Rotary handle
Step protection type	Overload: harmonic control from PowerLogic PFC Controller Short-circuit: fuse
Accessibility for operation	Front
Colour	Grey (RAL 7035)
Maximum weight	450 kg
Height	2200 mm
Width	800 mm
Depth	600 mm
Provided equipment	Auxiliary transformer
Internal voltage transformer	400/230 V - 630 VA
Function available	Alarm contact GenSet shedding contact

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Environment

Standards	IEC 61439-1 IEC 61921 IEC 61439-2
Product certifications	CE[RETURN]ASEFA[RETURN]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	120.0 cm
Package 1 Length	230.0 cm
Package 1 Weight	322.0 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 REACH Declaration
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	 China RoHS Declaration
RoHS exemption information	 Yes
Environmental Disclosure	 Product Environmental Profile
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins