## Product data sheet Characteristics

# VLVAF6P03520AD

automatic PowerLogic PFC Capacitor bank, 500kvar 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	500 kvar
Operating mode	Automatic
Range	PowerLogic
Device short name	automatic capacitor bank with detuned reactor
Product or component	Capacitor bank
type	

#### Complementary

Complementary	
Network pollution level	Polluted
[Gh/Sn] harmonic pollution rate	2550 %
[THDU] total harmonic distorsion of voltage	47 %
Tuning factor	4.2
Tuning frequency	210 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: 1.31 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	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

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#### Environment

Standards	IEC 61921 IEC 61439-2 IEC 61439-1
Product certifications	ASEFA[RETURN]EAC[RETURN]CE
Mounting location	Indoor
IP degree of protection	Environment: IP31 Safety: IPxx B
IK degree of protection	IK10
Relative humidity	095 %
Operating altitude	<= 2000 m
Ambient air temperature for operation	-545 °C
Average ambient air temperature for operation	35 °C (annual) 45 °C (over 24 hours)

### Offer Sustainability

Green Premium product
☑ REACh Declaration
Compliant with Exemptions
Yes
€Yes
☑ China RoHS Declaration
Product Environmental Profile
End Of Life Information
The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins