Product data sheet
Characteristics

VLVAF6P03520AE
VarSet capacitor bank Auto 500kvar DR4,2 xxB 400V 50Hz

Green Premium™

Main

Network rated voltage	400 V AC 50 Hz 415 V AC 50 Hz
Reactive power rating	500 kvar
Operating mode	Automatic
Range	VarSet
Device short name	VarSet automatic with detuned reactors
Product or component type	Capacitor bank

Complementary

Network pollution level	Polluted
[Gh/Sn] harmonic pollution rate	25…50 %
[THDU] total harmonic distorsion of voltage	4…7 %
Tuning factor	4.2
Tuning frequency	210 Hz
Power per step	50 kvar
Step composition	2x50 + 4x100
Location of connection	Bottom
Controller type	Varplus Logic VPL6 Modbus
Capacitor technology	VarplusCan + detuned reactors
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	Without protection
[Icw] rated short-time withstand current	35 kA at 1 s (Icw)
Step protection type	Overload: harmonic control from VarPlus Logic Short-circuit: fuse
Accessibility for operation	Front
Colour	Grey (RAL 7035)
Maximum weight	952 kg
Height	2200 mm
Width	800 Mm capacitor: 600 mm detuned reactor:
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 61439-1 IEC 61439-2 IEC 61921
Product certifications	CE ASEFA 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

Package 1 Weight	652.000 kg
Package 1 Height	230.000 cm
Package 1 width	80.000 cm
Package 1 Length	156.000 cm

Offer Sustainability

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