## Product data sheet Characteristics

# VLVAF5L350A40B

automatic EasyLogic PFC Capacitor bank, 350kVar



#### Main

Network rated voltage	400 V AC 50 Hz 415 V AC 50 Hz
Reactive power rating	350 kvar
Operating mode	Automatic
Range	PowerLogic
Device short name	automatic capacitor bank
Product or component type	Capacitor bank

### Complementary

Network pollution level   No polluted		
THDU  total harmonic distorsion of voltage   03 %	Network pollution level	No polluted
Power per step 50 kvar  Step composition 7x50  Location of connection Bottom  Controller type PowerLogic PFC Controller VPL12  Capacitor technology EasyLogic PFC Capacitor  Poles description 3P  Capacitance tolerance -5 % to 10 %  [Ui] rated insulation voltage 690 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 Battery: 1.36 x In at 400 V conforming to IEC 61439-2 Eapacitor: 1.5 x In at 480 V conforming to IEC 61439-2 Capacitor: 1.5 x In at 480 V conforming to IEC 60831  Main incomer protection Without protection  [Icw] rated short-time withstand current 30 kA at 1 s (Icw)  Step protection type Overload: harmonic control from PowerLogic PFC Controller Short-circuit: upstream protection  Accessibility for operation Front  Colour Grey (RAL 7035)  Maximum weight 340 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	[Gh/Sn] harmonic pollution rate	015 %
Step composition 7x50  Location of connection Bottom  Controller type PowerLogic PFC Controller VPL12  Capacitor technology EasyLogic PFC Capacitor  Poles description 3P  Capacitance tolerance -5 % to 10 %  [Ui] rated insulation voltage 690 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 Battery: 1.36 x In at 400 V conforming to IEC 61439-2 Battery: 1.19 x In at 415 V conforming to IEC 60831  Main incomer protection Without protection  [Icw] rated short-time withstand current 30 kA at 1 s (Icw)  Step protection type Overload: harmonic control from PowerLogic PFC Controller Short-circuit: upstream protection  Accessibility for operation Front  Colour Grey (RAL 7035)  Maximum weight 340 kg  Height 2200 mm  Width 800 mm  Provided equipment Auxiliary transformer  Internal voltage transformer 400/230 V - 630 VA  Function available Alarm contact	[THDU] total harmonic distorsion of voltage	03 %
Location of connection  Bottom  Controller type PowerLogic PFC Controller VPL12  Capacitor technology EasyLogic PFC Capacitor  Poles description 3P  Capacitance tolerance -5 % to 10 %  [Uij] rated insulation voltage 690 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 Battery: 1.36 x In at 400 V conforming to IEC 61439-2	Power per step	50 kvar
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Capacitor technology EasyLogic PFC Capacitor  Poles description 3P  Capacitance tolerance -5 % to 10 %  [Ui] rated insulation voltage 690 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 Battery: 1.36 x In at 400 V conforming to IEC 61439-2 Battery: 1.19 x In at 415 V conforming to IEC 61439-2 Capacitor: 1.5 x In at 480 V conforming to IEC 60831  Main incomer protection Without protection [Icw] rated short-time withstand current 30 kA at 1 s (Icw)  Step protection type Overload: harmonic control from PowerLogic PFC Controller Short-circuit: upstream protection  Accessibility for operation Front Colour Grey (RAL 7035)  Maximum weight 340 kg Height 2200 mm  Width 800 mm  Depth 600 mm  Provided equipment Internal voltage transformer 400/230 V - 630 VA Function available Alarm contact	Location of connection	Bottom
Poles description 3P Capacitance tolerance -5 % to 10 %  [Uij rated insulation voltage 690 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 Battery: 1.36 x In at 400 V conforming to IEC 61439-2	Controller type	PowerLogic PFC Controller VPL12
Capacitance tolerance -5 % to 10 %  [Ui] rated insulation voltage 690 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 Battery: 1.36 x In at 400 V conforming to IEC 61439-2 Battery: 1.19 x In at 415 V conforming to IEC 61439-2 Capacitor: 1.5 x In at 480 V conforming to IEC 60831  Main incomer protection Without protection  [Icw] rated short-time withstand current 30 kA at 1 s (Icw)  Step protection type Overload: harmonic control from PowerLogic PFC Controller Short-circuit: upstream protection  Accessibility for operation Front  Colour Grey (RAL 7035)  Maximum weight 340 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	Capacitor technology	EasyLogic PFC Capacitor
[Ui] rated insulation voltage 690 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 Battery: 1.36 x In at 400 V conforming to IEC 61439-2	Poles description	3P
Clump  rated impulse withstand voltage   8 kV	Capacitance tolerance	- 5 % to 10 %
Maximum permissible voltage  1.1 x Un (8 hours over 24 hours) conforming to IEC 60831  [Imp] maximum permanent current  Battery: 1.36 x In at 400 V conforming to IEC 61439-2 Battery: 1.19 x In at 415 V conforming to IEC 61439-2 Capacitor: 1.5 x In at 480 V conforming to IEC 60831  Main incomer protection  Without protection  [Icw] rated short-time withstand current  30 kA at 1 s (Icw)  Step protection type  Overload: harmonic control from PowerLogic PFC Controller Short-circuit: upstream protection  Accessibility for operation  Front  Colour  Grey (RAL 7035)  Maximum weight  340 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	[Ui] rated insulation voltage	690 V
[Imp] maximum permanent current  Battery: 1.36 x In at 400 V conforming to IEC 61439-2 Battery: 1.19 x In at 415 V conforming to IEC 61439-2 Capacitor: 1.5 x In at 480 V conforming to IEC 60831  Main incomer protection  Without protection  [Icw] rated short-time withstand current  30 kA at 1 s (Icw)  Step protection type  Overload: harmonic control from PowerLogic PFC Controller Short-circuit: upstream protection  Front  Colour  Grey (RAL 7035)  Maximum weight  340 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	[Uimp] rated impulse withstand voltage	8 kV
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[Icw] rated short-time withstand current  30 kA at 1 s (Icw)  Step protection type  Overload: harmonic control from PowerLogic PFC Controller Short-circuit: upstream protection  Accessibility for operation  Front  Colour  Grey (RAL 7035)  Maximum weight  340 kg  Height  2200 mm  Width  800 mm  Depth  600 mm  Provided equipment  Internal voltage transformer  400/230 V - 630 VA  Function available  Alarm contact	[Imp] maximum permanent current	Battery: 1.19 x In at 415 V conforming to IEC 61439-2
Step protection type  Overload: harmonic control from PowerLogic PFC Controller Short-circuit: upstream protection  Front  Colour  Grey (RAL 7035)  Maximum weight  340 kg  Height  2200 mm  Width  800 mm  Depth  600 mm  Provided equipment  Internal voltage transformer  400/230 V - 630 VA  Function available  Auximum contact	Main incomer protection	Without protection
Short-circuit: upstream protection  Accessibility for operation  Front  Colour  Grey (RAL 7035)  Maximum weight  340 kg  Height  2200 mm  Width  800 mm  Depth  600 mm  Provided equipment  Internal voltage transformer  400/230 V - 630 VA  Function available  Accessibility for operation  Front  600 mm  Auxiliary transformer  400/230 V - 630 VA  Alarm contact	[lcw] rated short-time withstand current	30 kA at 1 s (lcw)
Colour         Grey (RAL 7035)           Maximum weight         340 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	Step protection type	<b>U</b>
Maximum weight         340 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	Accessibility for operation	Front
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	Colour	Grey (RAL 7035)
Width 800 mm  Depth 600 mm  Provided equipment Auxiliary transformer  Internal voltage transformer 400/230 V - 630 VA  Function available Alarm contact	Maximum weight	340 kg
Depth 600 mm  Provided equipment Auxiliary transformer  Internal voltage transformer 400/230 V - 630 VA  Function available Alarm contact	Height	2200 mm
Provided equipment Auxiliary transformer  Internal voltage transformer 400/230 V - 630 VA  Function available Alarm contact	Width	800 mm
Internal voltage transformer 400/230 V - 630 VA Function available Alarm contact	Depth	600 mm
Function available Alarm contact	Provided equipment	Auxiliary transformer
	Internal voltage transformer	400/230 V - 630 VA
	Function available	

#### Environment

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Standards	IEC 61921 IEC 61439-1 IEC 61439-2
Product certifications	CE[RETURN]ASEFA[RETURN]EAC
Mounting location	Indoor
IP degree of protection	Environment: IP31
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

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Compliant with Exemptions
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