

Product datasheet

Specifications



output sinus filter - 50 A - for variable speed drive

VW3A5404

Main

Product or component type	Sinus filter
Range compatibility	Altivar Process ATV600 Altivar Process ATV900 Easy Altivar 310
Product specific application	Output filter

Complementary

Maximum motor cable length	1000 m unshielded cable 500 m shielded cable
[In] rated current	50 A
Thermal losses	196 W at 4 kHz
Product compatibility	Variable speed drive ATV630 wall mount, motor: 11 kW, 200...240 V Variable speed drive ATV630 wall mount, motor: 15 kW, 380...480 V Variable speed drive ATV630 wall mount, motor: 18.5 kW, 380...480 V Variable speed drive ATV630 wall mount, motor: 22 kW, 380...480 V Variable speed drive ATV650 wall mount, motor: 15 kW, 380...480 V Variable speed drive ATV650 wall mount, motor: 18.5 kW, 380...480 V Variable speed drive ATV650 wall mount, motor: 22 kW, 380...480 V Variable speed drive ATV630 wall mount, motor: 5.5 kW, 200...240 V Variable speed drive ATV630 wall mount, motor: 7.5 kW, 200...240 V Variable speed drive ATV930 wall mount, motor: 11 kW, 200...240 V Variable speed drive ATV930 wall mount, motor: 15 kW, 380...480 V Variable speed drive ATV930 wall mount, motor: 18.5 kW, 380...480 V Variable speed drive ATV930 wall mount, motor: 22 kW, 380...480 V Variable speed drive ATV950 wall mount, motor: 15 kW, 380...480 V Variable speed drive ATV950 wall mount, motor: 18.5 kW, 380...480 V Variable speed drive ATV950 wall mount, motor: 22 kW, 380...480 V Variable speed drive ATV930 wall mount, motor: 5.5 kW, 200...240 V Variable speed drive ATV930 wall mount, motor: 7.5 kW, 200...240 V
Electrical connection	terminal block, connection capacity: 16 mm ² / AWG 6
Operating altitude	<= 1000 m without current derating 1000...4000 m with current derating 1 % per 100 m
Switching frequency	4...8 kHz
Maximum output frequency	100 Hz
Maximum voltage drop at rated load	8 %
Permissible voltage	480 V AC
Max current	1.20 x nominal current (duration = 60 s)
Width	300 mm
Height	560 mm
Depth	245 mm
Net weight	35 kg

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

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

Environment

IP degree of protection	IP20 IP21 (with kit VW3A53903)
Environmental characteristic	Biological pollution resistance class 3B1 conforming to IEC 60721-3-3 Chemical pollution resistance class 3C3 conforming to IEC 60721-3-3 Dust pollution resistance class 3S3 conforming to IEC 60721-3-3
Pollution degree	3 conforming to IEC 61800-5-1
Relative humidity	5...95 % without condensation
Ambient air temperature for operation	50...60 °C (with current derating 1.5 % per °C) -15...50 °C (without current derating)
Ambient air temperature for storage	-40...70 °C
Mechanical robustness	Shocks class 3M4 conforming to IEC 60721-3-3 Vibrations class 3M4 conforming to IEC 60721-3-3

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	52.000 cm
Package 1 Width	60.000 cm
Package 1 Length	80.000 cm
Package 1 Weight	46.000 kg
Unit Type of Package 2	P06
Number of Units in Package 2	4
Package 2 Height	88.000 cm
Package 2 Width	60.000 cm
Package 2 Length	80.000 cm
Package 2 Weight	162.000 kg

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 >](#)

Use Better

Materials and Substances	
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Compliant
REACH Regulation	Free of Substances of Very High Concern above the threshold

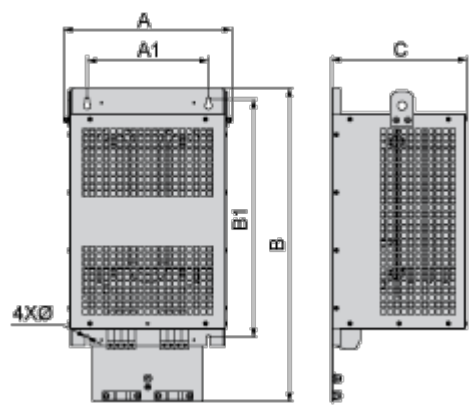
Use Longer

Lifetime extension	
Repair	No

Use Again

Repack and remanufacture	
Take-back	No

Dimensions



Dimensions in mm

A	B	C	A1	B1	Ø
300	545	245	210	411	7

Dimensions in in.

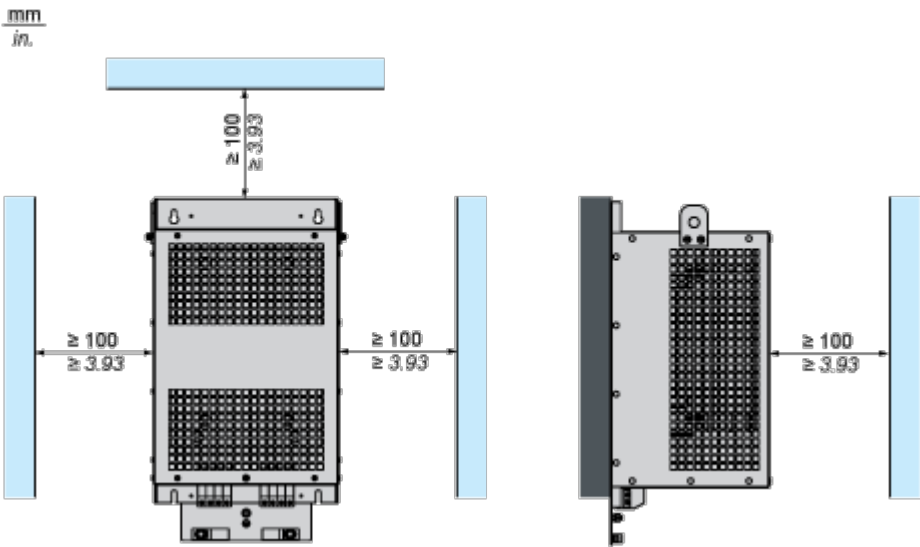
A	B	C	A1	B1	Ø
11.8	21.5	9.6	8.3	16.2	0.28

Mounting and Clearance

Mounting and Clearance

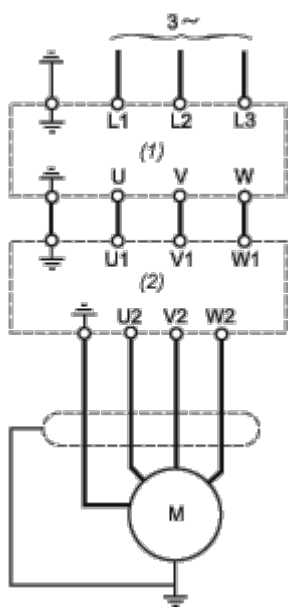


(1) Filter



Connections and Schema

Recommended Schema



- (1) Drive
- (2) Filter