Product datasheet

Specifications

passive filter - 14 A - 400 V - 50 Hz - for variable speed drive

VW3A46122

Price: 73,025.21 ZAR

Main

Product Or Component Type	Passive filter
Product Specific Application	Reduction of current harmonics

Complementary

Range Compatibility	Altivar 61 Altivar Process ATV600 Altivar 71 Altivar Process ATV900
[Us] Rated Supply Voltage	400 V +/- 10 %
Power Supply Frequency	50 Hz +/- 2 %
Quantity Per Drive	1 filter per drive for variable speed drive ATV61W motor: 7.5 kW/10 hp 1 filter per drive for variable speed drive ATV61H motor: 7.5 kW/10 hp 1 filter per drive for variable speed drive ATV71H motor: 7.5 kW/10 hp 1 filter per drive for variable speed drive ATV71P motor: 7.5 kW/10 hp 1 filter per drive for variable speed drive ATV71W motor: 7.5 kW/10 hp 1 filter per drive for variable speed drive ATV630 wall mount, motor: 7.5 kW/10 hp 1 filter per drive for variable speed drive ATV650 wall mount, motor: 7.5 kW/10 hp 1 filter per drive for variable speed drive ATV930 wall mount, motor: 7.5 kW/10 hp 1 filter per drive for variable speed drive ATV950 wall mount, motor: 7.5 kW/10 hp
[In] Rated Current	14 A for input 15 A for output
Network Number Of Phases	3 phases
Thdi	10 % for variable speed drive ATV61H motor: 7.5 kW/10 hp 10 % for variable speed drive ATV71H motor: 7.5 kW/10 hp 10 % for variable speed drive ATV71P motor: 7.5 kW/10 hp 10 % for variable speed drive ATV71W motor: 7.5 kW/10 hp 5 % for variable speed drive ATV61W motor: 7.5 kW/10 hp 5 % for variable speed drive ATV630 motor: 7.5 kW/10 hp 5 % for variable speed drive ATV650 motor: 7.5 kW/10 hp 5 % for variable speed drive ATV930 motor: 7.5 kW/10 hp 5 % for variable speed drive ATV950 motor: 7.5 kW/10 hp
Max Current	1.5 x nominal current (duration = 60 s)
Efficiency	98 %
Thermal Losses	184 W
Cos Phi	1 (150 % of line current) 0.85 (75 % of line current) 0.99 (100 % of line current)
Electrical Connection	X1-1...X2-3 terminal, connection capacity: 0.5...10 mm² A, B terminal, connection capacity: 2.5 mm²
Electrical Insulation Class	Class F
Net Weight	20 kg

Environment

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

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

Ip Degree Of Protection	IP20 IP55 (enclosure mounting)
Vibration Resistance	2 mm peak to peak (f= 5…13.2 Hz) conforming to IEC 60068-2-6 0.7 gn (f= 13.2…150 Hz) conforming to IEC 60068-2-6
Relative Humidity	5…85 % without condensation
Ambient Air Temperature For Operation	45…60 °C (with current derating 3 % per °C) 5…45 °C (without current derating)
Ambient Air Temperature For Storage	-25…55 °C storage in original packaging -25…65 °C during transport
Operating Altitude	<= 1000 m without current derating > 1000...4000 m with current derating 5 % per 1000 m
Standards	IEC 61000-2-2 G5/4 engineering recommendation IEC 61000-3-4 IEC 61000-3-2 IEC 61000-3-12 IEC 61000-2-4

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	56.0 cm
Package 1 Width	40.0 cm
Package 1 Length	60.0 cm
Package 1 Weight	27.5 kg

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

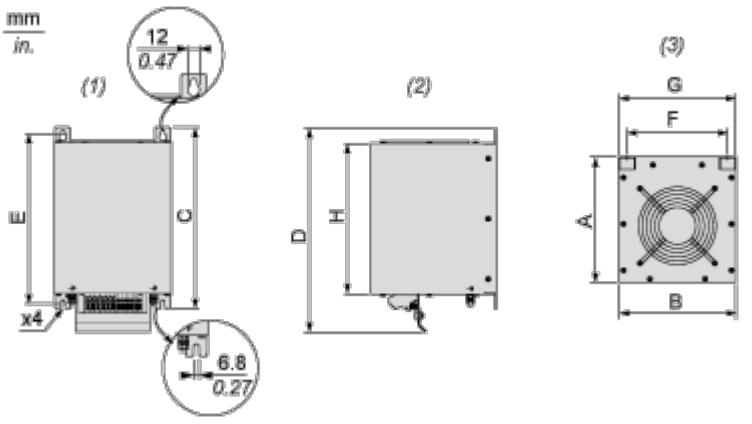
Well-being performance

Reach Free Of Svhc	
Toxic Heavy Metal Free	
Mercury Free	
Rohs Exemption Information	Yes

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
China Rohs Regulation	China RoHS declaration

Dimensions Drawings

Dimensions



(1) Front view

(2) Right side view

(3) Top view

Dimensions in mm

A	B	C	D	E	F	G	H
205.5	190	295	332.11	276	163	188	246

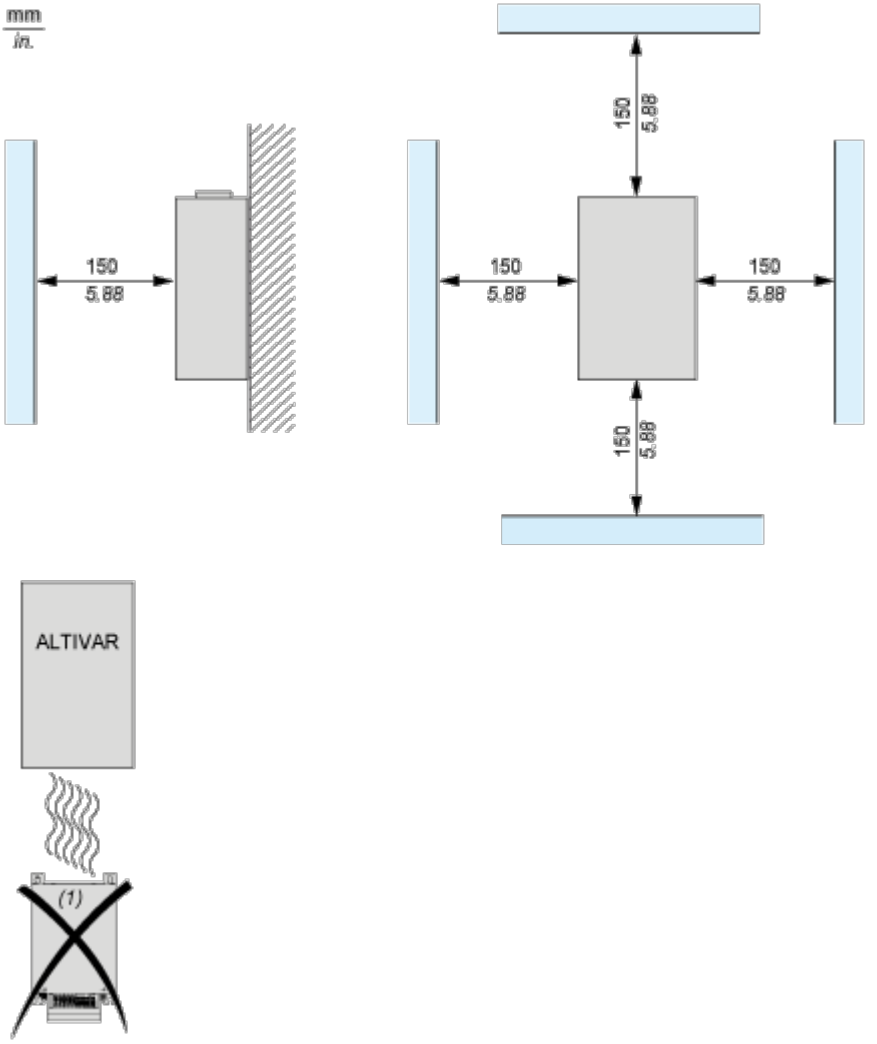
Dimensions in in.

A	B	C	D	E	F	G	H
8.09	7.48	11.61	13.07	10.87	6.42	7.40	9.69

Mounting and Clearance

Mounting Recommendations

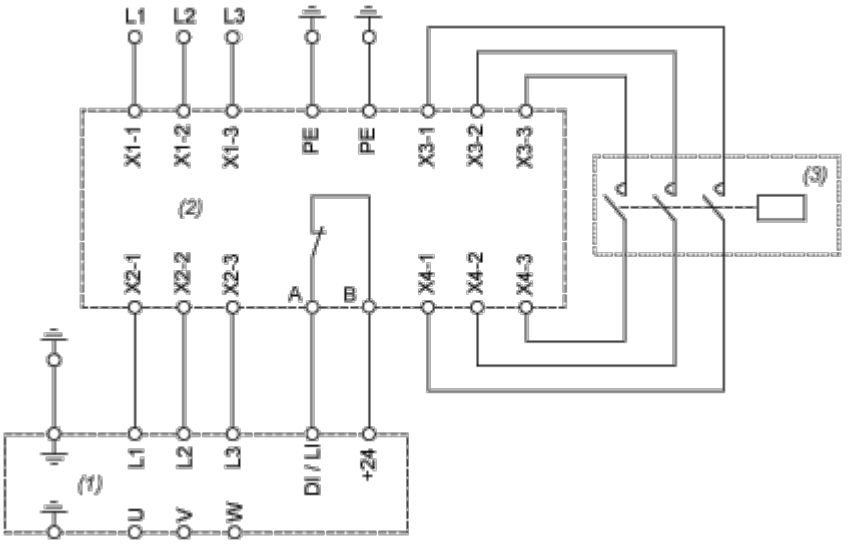
Vertical Mounting Only



(1) Filter

Connections and Schema

Recommended Schema



(1) Drive

(2) Filter

(3) Optional