

# passive filter - 187 A - 400 V - 50 Hz - for variable speed drive

VW3A46132

Passive filter

EAN Code: 3606480640230

## Main

Product or component type

	1 desired med
Product specific application	Reduction of current harmonics
Complementary	
Range compatibility	Altivar Process ATV900
Mange compatibility	Altivar Process ATV600
	Altivar 71
	Altivar 61
[Us] rated supply voltage	400 V +/- 10 %
power supply frequency	50 Hz +/- 2 %
Quantity per drive	1 filter per drive for variable speed drive ATV650 wall mount, motor: 75 kW/100 hp
	1 filter per drive for variable speed drive ATV630 wall mount, motor: 75 kW/100 hp
	1 filter per drive for variable speed drive ATV950 wall mount, motor: 75 kW/100 hp
	1 filter per drive for variable speed drive ATV930 wall mount, motor: 75 kW/100 hp
	1 filter per drive for variable speed drive ATV61H motor: 110 kW/150 hp
	1 filter per drive for variable speed drive ATV71H motor: 110 kW/150 hp
	1 filter per drive for variable speed drive ATV61Q motor: 110 kW/150 hp
	1 filter per drive for variable speed drive ATV71Q motor: 110 kW/150 hp
[In] rated current	180 A for input
	187 A for output
Network number of phases	3 phases
THDI	5 % for variable speed drive ATV650 motor: 75 kW/100 hp
	5 % for variable speed drive ATV630 motor: 75 kW/100 hp
	5 % for variable speed drive ATV61H motor: 110 kW/150 hp
	5 % for variable speed drive ATV71H motor: 110 kW/150 hp
	5 % for variable speed drive ATV61Q motor: 110 kW/150 hp
	5 % for variable speed drive ATV71Q motor: 110 kW/150 hp
	5 % for variable speed drive ATV950 motor: 75 kW/100 hp
	5 % for variable speed drive ATV930 motor: 75 kW/100 hp
Max current	1.5 x nominal current (duration = 60 s)
Efficiency	98 %
Thermal losses	1080 W
Cos phi	1 (150 % of line current)
	0.85 (75 % of line current)
	0.99 (100 % of line current)
Electrical connection	A, B terminal, connection capacity: 2.5 mm²
	X1-1X2-3 terminal, connection capacity: 2.590 mm²
Electrical insulation class	Class F
Net weight	135 kg

# **Environment**

IP degree of protection	IP20 IP55 (enclosure mounting)					
Vibration resistance	2 mm peak to peak (f= 513.2 Hz) conforming to IEC 60068-2-6 0.7 gn (f= 13.2150 Hz) conforming to IEC 60068-2-6					
Relative humidity	585 % without condensation					
Ambient air temperature for operation	for 4560 °C (with current derating 3 % per °C) 545 °C (without current derating)					
Ambient air temperature for storage	-2555 °C storage in original packaging -2565 °C during transport					
Operating altitude	<= 1000 m without current derating > 10004000 m with current derating 5 % per 1000 m					
Standards	IEC 61000-3-2 IEC 61000-2-4 IEC 61000-3-4 IEC 61000-2-2 IEC 61000-3-12 G5/4 engineering recommendation					

# **Packing Units**

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	62.0 cm
Package 1 Width	60.0 cm
Package 1 Length	80.0 cm
Package 1 Weight	135.0 kg

# **Logistical informations**

Country of origin

# **Contractual warranty**

Warranty 18 months



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**

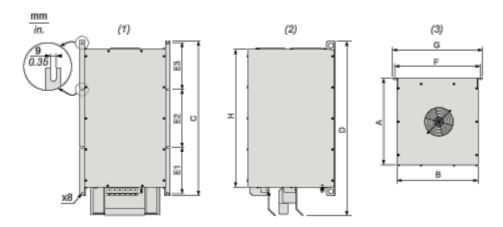
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
REACh Regulation	REACh Declaration

#### **Use Again**

○ Repack and remanufacture		
Take-back	No	

## **Dimensions Drawings**

#### **Dimensions**



- (1) Front view
- (2) Right side view
- (3) Top view

#### Dimensions in mm

Α	В	С	D	E1	E2	E3	F	G	Н
400	370	685	767.6	212	240	212	393	418	598

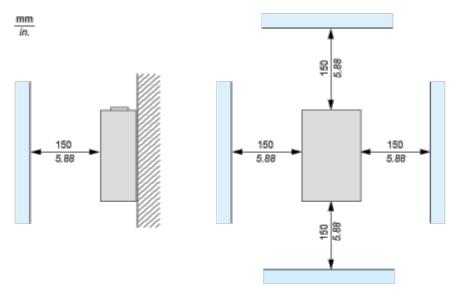
#### Dimensions in in.

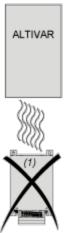
Α	В	С	D	E1	E2	E3	F	G	Н
15.75	14.57	26.97	30.22	8.35	9.45	8.35	15.47	16.46	23.54

# Mounting and Clearance

# **Mounting Recommendations**

## **Vertical Mounting Only**

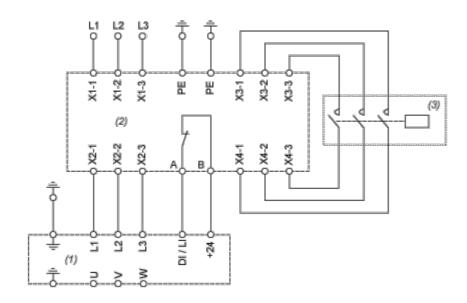




(1) Filter

#### Connections and Schema

## **Recommended Schema**



- (1) Drive
- (2) Filter
- (3) Optional