

# passive filter - 450 A - 400 V - 50 Hz - for variable speed drive

VW3A46119

EAN Code: 3606480640100

## Main

- IVICAITI					
Product or component type	Passive filter				
Product specific application	Reduction of current harmonics				
Complementary					
Range compatibility	Altivar Process ATV600				
	Altivar Process ATV900				
	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 ATV61Q motor: 220 kW/350 hp				
	1 filter per drive for variable speed drive ATV71Q motor: 220 kW/350 hp				
	2 filters per drive for variable speed drive ATV61H motor: 500 kW/700 hp				
	2 filters per drive for variable speed drive ATV71H motor: 500 kW/700 hp				
	2 filters per drive for variable speed drive ATV61Q motor: 500 kW/700 hp				
	2 filters per drive for variable speed drive ATV71Q motor: 500 kW/700 hp				
	1 filter per drive for variable speed drive ATV61H motor: 250 kW/400 hp				
	1 filter per drive for variable speed drive ATV71H motor: 250 kW/400 hp				
	1 filter per drive for variable speed drive ATV630 wall mount, motor: 250 kW/400 hp				
	1 filter per drive for variable speed drive ATV930 wall mount, motor: 250 kW/400 hp				
[In] rated current	433 A for input				
	450 A for output				
Network number of phases	3 phases				
THDI	10 % for variable speed drive ATV71H motor: 250 kW/400 hp				
	10 % for variable speed drive ATV61Q motor: 220 kW/350 hp				
	10 % for variable speed drive ATV71Q motor: 220 kW/350 hp				
	10 % for variable speed drive ATV61H motor: 250 kW/400 hp				
	10 % for variable speed drive ATV61H motor: 500 kW/700 hp				
	10 % for variable speed drive ATV71H motor: 500 kW/700 hp				
	10 % for variable speed drive ATV61Q motor: 500 kW/700 hp				
	10 % for variable speed drive ATV71Q motor: 500 kW/700 hp				
	10 % for variable speed drive ATV630 motor: 250 kW/400 hp 10 % for variable speed drive ATV930 motor: 250 kW/400 hp				
Max current	1.5 x nominal current (duration = 60 s)				
Efficiency	98 %				
Thermal losses	1542 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: 25300 mm²				
Electrical insulation class	Class F				
Licoti Iodi Iliotiation Glass	Olass I				

205 kg

Net weight

## **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 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 61000-2-4 IEC 61000-3-4 IEC 61000-2-2 G5/4 engineering recommendation IEC 61000-3-12 IEC 61000-3-2					

# **Packing Units**

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	71.000 cm
Package 1 Width	80.000 cm
Package 1 Length	120.000 cm
Package 1 Weight	229.6 kg

# **Logistical informations**

Country of origin DE

# **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**

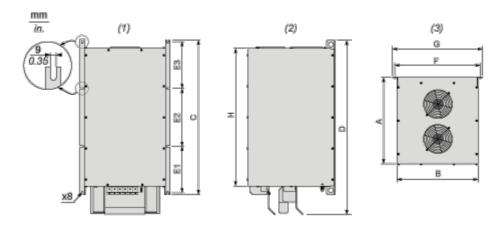
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
REACh Regulation	REACh Declaration

#### **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
510	420	800	900.06	240	300	240	443	468	713

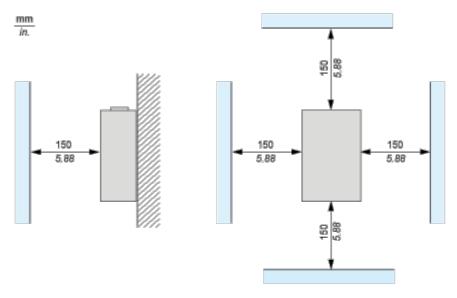
#### Dimensions in in.

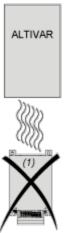
Α	В	С	D	E1	E2	E3	F	G	Н
20.00	16.54	31.50	35.43	9.45	11.81	9.45	17.44	18.43	28.07

## Mounting and Clearance

## **Mounting Recommendations**

#### **Vertical Mounting Only**

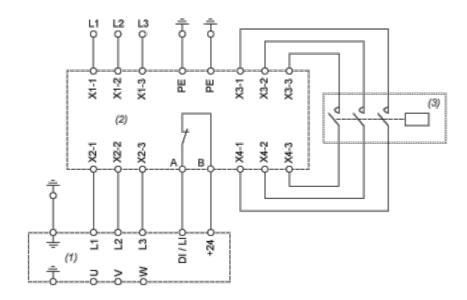




(1) Filter

#### Connections and Schema

#### **Recommended Schema**



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