Product data sheet
Characteristics

VW3A46108
passive filter, Altivar, 60A, 400V, 50Hz, for variable speed drive



Main

Product or component type	Passive filter
Product specific application	Reduction of current harmonics

Complementary

Range compatibility	Altivar 71 Altivar Process ATV600 Altivar 61 Altivar Process ATV900
[Us] rated supply voltage	400 V +/- 10 %
Supply frequency	50 Hz +/- 2 %
Quantity per drive	1 filter per drive for variable speed drive ATV61W motor: 30 kW/40 hp 1 filter per drive for variable speed drive ATV61H motor: 30 kW/40 hp 1 filter per drive for variable speed drive ATV71H motor: 30 kW/40 hp 1 filter per drive for variable speed drive ATV71W motor: 30 kW/40 hp 1 filter per drive for variable speed drive ATV650 wall mount, motor: 30 kW/40 hp 1 filter per drive for variable speed drive ATV630 wall mount, motor: 30 kW/40 hp 1 filter per drive for variable speed drive ATV950 wall mount, motor: 30 kW/40 hp 1 filter per drive for variable speed drive ATV930 wall mount, motor: 30 kW/40 hp
[In] rated current	58 A for input 60 A for output
Network number of phases	3 phases
THDI	10 % for variable speed drive ATV61W motor: 30 kW/40 hp 16 % for variable speed drive ATV61H motor: 30 kW/40 hp 16 % for variable speed drive ATV71H motor: 30 kW/40 hp 16 % for variable speed drive ATV71W motor: 30 kW/40 hp 10 % for variable speed drive ATV650 motor: 30 kW/40 hp 10 % for variable speed drive ATV630 motor: 30 kW/40 hp 10 % for variable speed drive ATV950 motor: 30 kW/40 hp 10 % for variable speed drive ATV930 motor: 30 kW/40 hp
Max current	1.5 x nominal current (duration = 60 s)
Efficiency	98 %
Thermal losses	352 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 X1-1...X2-3 terminal, connection capacity: 2.5...25 mm²
Electrical insulation class	Class F
Net weight	44 Kg

Environment

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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	60.000 Cm
Package 1 Width	60.000 Cm
Package 1 Length	80.000 Cm
Package 1 Weight	52.500 Kg

Offer Sustainability

Toxic heavy metal free	Yes
Mercury free	Yes
Sustainable packaging	No
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Compliant
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which
Take-back	No

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised