Product datasheet

Specifications

To be discontinued

active infeed converter - 240 kW - 380...440 V

VW3A7253

To be discontinued on: Dec 31, 2024

To be end-of-service on: Dec 31, 2032

Main

Device Short Name	AIC
Network Number Of Phases	3 phases
[Us] Rated Supply Voltage	380...440 V +/- 10 %
Network Frequency	50/60 Hz
Rated Power In W	240 kW
Range Compatibility	Altivar 61 Altivar 71
Product Specific Application	Low harmonics Energy regeneration Component of the Active Front End
Product Compatibility	ATV61HC22N4D 380...440 V AC with one variable speed drive ATV71HC16N4D 380...440 V AC with one variable speed drive ATV61H075N4...C63N4D DC with several variable speed drive on a common DC bus ATV71H075N4...C50N4D DC with several variable speed drive on a common DC bus
Assembly Style	Built-in unit
Type Of Cooling	Forced convection

Complementary

Line Current	348 A at 400 V
Input Power	242 kW at 400 V
Continuous Output Current	366 A at 400 V
Output Voltage	650 V DC - supply: 380...400 V AC 720 V DC - supply: 440 V AC
Thermal Losses	3560 W
Max Current	1.20 x nominal current (duration = 60 s) 1.35 x nominal current (duration = 2 s)
Maximum Voltage Drop At Rated Load	<30 % at 380...400 V, <= 60 s <40 % at 440 V, <= 60 s
Communication Port Protocol	CANopen Modbus
Connector Type	1 RJ45 for Modbus Male SUB-D 9 on RJ45 for CANopen
Option Card	Communication bridge
Operating Position	Vertical +/- 10 degree
Height	950 mm

Width	430 mm
Depth	377 mm
Net Weight	110 kg

Environment

Environmental Characteristic	3K3 conforming to EN/IEC 60721-3-3 3C2 conforming to EN 60721-3-3 3S2 conforming to EN 60721-3-3
Relative Humidity	0…95 %
Ambient Air Temperature For Operation	45…60 °C (with current derating of 2 % per °C) -10…45 °C
Ambient Air Temperature For Storage	-25…70 °C
Operating Altitude	<= 1000 m without derating 1000...3000 m with current derating 1 % per 100 m
Pollution Degree	2 conforming to EN 61800-5-1
Vibration Resistance	1.5 mm (f= 3…10 Hz) conforming to EN/IEC 60068-2-6 0.6 gn (f= 10…200 Hz) conforming to EN/IEC 60068-2-6
Shock Resistance	4 gn for 11 ms conforming to EN/IEC 60721-3-3
Air Flow Surface	800 cm^2
Volume Of Cooling Air	800 m3/h for power circuit 200 m3/h for control circuit
Ip Degree Of Protection	IP00
Standards	EN/IEC 61800-5-1
Product Certifications	CE CSA (pending) UL (pending)

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	53.0 cm
Package 1 Width	49.0 cm
Package 1 Length	129.0 cm
Package 1 Weight	130.0 kg

Contractual warranty

Warranty	18 months

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.

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Guide to assess a product's sustainability >

Well-being performance

Mercury Free	
Rohs Exemption Information	Yes

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins