

Product data sheet

Specifications



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

⚠ To be discontinued

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 |

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

| | |
|------------|--------|
| 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 cm² |
| 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-CO₂ 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

| | |
|--|---|
|  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 |