Product data sheet
Characteristics

VW3A7256
active infeed converter - 430 kW - 380...440 V

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	430 kW
Range compatibility	Altivar 61 Altivar 71
Product specific application	Component of the Active Front End Energy regeneration Low harmonics
Product compatibility	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 ATV61HC40N4D 380...440 V AC with one variable speed drive ATV71HC28N4D 380...440 V AC with one variable speed drive ATV71HC31N4D 380...440 V AC with one variable speed drive ATV61EXA.C63N4...C71N4 DC with several variable speed drive on a common DC bus ATV71EXA.C50N4...C63N4 DC with several variable speed drive on a common DC bus
Assembly style	Built-in unit
Type of cooling	Forced convection

Complementary

Line current	628 A at 400 V
Input power	431 kW at 400 V
Continuous output current	654 A at 400 V
Output voltage	650 V DC - supply:380...400 V AC 720 V DC - supply:440 V AC
Thermal losses	6130 W
Max current	1.20 x nominal current for 60 s 1.35 x nominal current for 2 s
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	1150 mm
Width	880 mm
Depth	377 mm
Product weight	215 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	0.6 gn (f = 10...200 Hz) conforming to EN/IEC 60068-2-6 1.5 mm (f = 3...10 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	1500 cm²
Volume of cooling air	1800 m3/h for power circuit 1800 m3/h for control circuit
IP degree of protection	IP00
Standards	EN/IEC 61800-5-1
Product certifications	CE UL (pending) CSA (pending)

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1601 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations

Contractual warranty

Warranty period	18 months