

PRODUCT-DETAILS

3AUA0000002420

FREQUENCY CONVERTER



General Information

Product ID	3AUA0000002420
ABB Type Designation	ACS550-01-012A-4
EAN	6410038058128
Catalog Description	FREQUENCY CONVERTER
Long Description	ACS550-01-012A-4

Ordering

Core Credit	0.00
Country of Origin	China (CN) Finland (FI) United States (US)
Customs Tariff Number	85044088
Invoice Description	FREQUENCY CONVERTER
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Quote Only	No
Selling Unit of Measure	piece

Container Information

Gross Volume	0.044 m ³
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Dimensions

Product Net Weight	6.5 kg
Product Net Height	369 mm
Product Net Length	212 mm
Product Net Width	125 mm
Package Level 1 Depth / Length	212 mm
Package Level 1 Height	369 mm
Package Level 1 Width	125 mm
Package Level 1 Units	1 piece

Technical

Number of Phases	3
Degree of Protection	IP21
Enclosure Type NEMA	Type1
Frequency (f)	50/60 Hz
Input Voltage (U _{in})	380 ... 480 V
Mounting Type	Wall Mounting
Communication Protocol	MODBUS LON DeviceNet PROFIBUS CAN EtherNet/IP PROFINET IO TCP/IP Other Bus Systems
Number of Hardware Interfaces	Industrial Ethernet 0 PROFINET 0 RS-232 1 RS-422 0 RS-485 1 Serial TTY 0 USB 0 Parallel 0 Other 5
Includes	With control unit Without optical interface With PC connection
Analog Inputs	2
Analog Outputs	2
Number of Digital In/Outputs	6/0
Output Current, Heavy-Duty Use	8.8 A
Output Current, Normal Use	12 A
Output Power, Heavy-Duty Use	4 kW 5 Hp
Output Power, Light-Overload Use	5.5 kW
Output Power, Normal Use	5.5 kW
Apparent Power Output	8.2 kV-A
Efficiency Level	IE2
Standby Loss	12 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	58 W	0.7 %	88.2 %
0 / 50 %	76 W	0.9 %	91.7 %
0 / 100 %	131 W	1.6 %	92.8 %
50 / 25 %	63 W	0.8 %	93.5 %
50 / 50 %	84 W	1.0 %	95.4 %
50 / 100 %	151 W	1.8 %	95.9 %
90 / 50 %	93 W	1.1 %	97.1 %
90 / 100 %	180 W	2.2 %	97.2 %

Temperature Rating

Maximum 40 °C

Additional Information

Product Main Type

ACS550

Product Name

FREQUENCY CONVERTER

Classifications

Product Series

ACS550-01

ETIM 7

EC001857 - Frequency converter =< 1 kV

UNSPSC

39122001

Environmental

WEEE Category

5. Small Equipment (No External Dimension More Than 50 cm)

Categories

Drives → Low Voltage AC Drives → General Purpose Drives → ACS550-01 - Wall-mounted drive

