

PRODUCT-DETAILS

3AUA0000026919

FREQUENCY CONVERTER



General Information

Product ID	3AUA0000026919
ABB Type Designation	ACS550-01-290A-4
EAN	6410038785307
Catalog Description	FREQUENCY CONVERTER
Long Description	ACS550-01-290A-4

Ordering

Country of Origin	China (CN) Finland (FI) United States (US) Singapore (SG)
Customs Tariff Number	85044086
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	0.19 m ³
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Dimensions

Product Net Weight	80 kg
Product Net Depth / Length	530 mm
Product Net Height	970 mm
Product Net Width	370 mm
Package Level 1 Depth / Length	530 mm
Package Level 1 Height	970 mm
Package Level 1 Width	370 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
Frame Size	R6
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 (I_{HD})	246 A
Output Current, Normal Use (I_N)	290 A
Output Power, Heavy-Duty Use (P_{HD})	132 kW
Output Power, Light-Overload Use (P_{LD})	160 kW
Output Power, Normal	160 kW

Use (P_n)

Apparent Power Output	201 kV-A
Efficiency Level	IE2
Standby Loss	42 W
Complete Drive Module	
Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	902 W	0.4 %	92.4 %
0 / 50 %	1337 W	0.7 %	94.0 %
0 / 100 %	2374 W	1.2 %	94.6 %
50 / 25 %	1027 W	0.5 %	95.7 %
50 / 50 %	1595 W	0.8 %	96.5 %
50 / 100 %	2951 W	1.5 %	96.7 %
90 / 50 %	1979 W	1.0 %	97.5 %
90 / 100 %	3847 W	1.9 %	97.6 %

Temperature Rating	Maximum 40 °C
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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	4. Large Equipment (Any External Dimension More Than 50 cm)
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Categories

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

