

PRODUCT-DETAILS

68589657

FREQUENCY CONVERTER



General Information

Product ID	68589657
ABB Type Designation	ACS550-01-125A-4
EAN	6410038078300
Catalog Description	FREQUENCY CONVERTER
Long Description	ACS550-01-125A-4

Ordering

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	0.176 m ³
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Dimensions

Product Net Weight	34 kg
Product Net Height	850 mm
Product Net Length	530 mm
Product Net Width	390 mm
Package Level 1 Depth / Length	530 mm
Package Level 1 Height	850 mm
Package Level 1 Width	390 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	96 A
Output Current, Normal Use	125 A
Output Power, Heavy-Duty Use	45 kW
Output Power, Light-Overload Use	55 kW
Output Power, Normal Use	55 kW
Apparent Power Output	87 kV-A
Efficiency Level	IE2
Standby Loss	40 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	480 W	0.6 %	90.8 %
0 / 50 %	679 W	0.8 %	93.0 %
0 / 100 %	1303 W	1.5 %	93.2 %
50 / 25 %	525 W	0.6 %	94.9 %
50 / 50 %	777 W	0.9 %	96.0 %
50 / 100 %	1529 W	1.8 %	96.1 %
90 / 50 %	893 W	1.0 %	97.4 %
90 / 100 %	1932 W	2.2 %	97.2 %

Temperature RatingMaximum 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	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

