



PRODUCT-DETAILS

3AUA0000002546

FREQUENCY CONVERTER



General Information

Product ID	3AUA0000002546
ABB Type Designation	ACS550-01-059A-4
EAN	6410038058241
Catalog Description	FREQUENCY CONVERTER
Long Description	ACS550-01-059A-4

Ordering

Country of Origin	China (CN) Finland (FI) United States (US) Singapore (SG)
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	0.099 m ³
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Dimensions

Product Net Weight	24 kg
Product Net Depth / Length	262 mm
Product Net Height	689 mm
Product Net Width	203 mm
Package Level 1 Depth / Length	262 mm
Package Level 1 Height	689 mm
Package Level 1 Width	203 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	44 A
Output Current, Normal Use	59 A
Output Power, Heavy-Duty Use	22 kW 30 Hp
Output Power, Light-Overload Use	30 kW
Output Power, Normal Use	30 kW
Apparent Power Output	41 kV·A
Efficiency Level	IE2
Standby Loss	17 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	294 W	0.7 %	88.0 %
0 / 50 %	404 W	1.0 %	91.2 %
0 / 100 %	741 W	1.8 %	91.8 %
50 / 25 %	325 W	0.8 %	93.3 %
50 / 50 %	466 W	1.1 %	94.9 %
50 / 100 %	879 W	2.2 %	95.2 %
90 / 50 %	523 W	1.3 %	96.8 %
90 / 100 %	1051 W	2.6 %	96.7 %

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

