

PRODUCT-DETAILS

ACS580-04-505A-4

ACS580-04-505A-4 PN: 250 kW, IN: 505 A



General Information

Global Commercial Alias	ACS580-04-505A-4
Product ID	3AUA0000170509
ABB Type Designation	ACS580-04-505A-4
EAN	6438177340423
Catalog Description	ACS580-04-505A-4 PN: 250 kW, IN: 505 A

The ACS580-04 is plug-in ready to control your compressors, conveyors, pumps, extruders, centrifuges, mixers, fans and many other variable and constant torque applications, in a variety of light industries, including food and beverage, plastic, textile, material handling, and agriculture.

Long Description All essential features are built-in as standard, simplifying drive selection, and making additional hardware unnecessary. Versatile and straightforward settings menu and assistants enable fast setup, commissioning, use and maintenance, while rugged and robust design makes it a good fit for various environments. With the ACS580 drives you can easily take full control of your processes to comprehensively manage your plant. The ACS580-04 drive module comes in IP00 enclosure as standard for cabinet installation. Also, IP20 enclosure is available.

Ordering

Country of Origin	Finland (FI)
Customs Tariff Number	85044088
Invoice Description	ACS580-04-505A-4 PN: 250 kW, IN: 505 A
Made To Order	Yes
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	162 kg
Product Net Height	1462 mm
Product Net Length	529 mm
Product Net Width	350 mm
Package Level 1 Depth / Length	2060 mm
Package Level 1 Height	500 mm
Package Level 1 Width	670 mm
Package Level 1 Units	1 carton

Technical

Number of Phases	3
Degree of Protection	IP00
Enclosure Type NEMA	Open Type
Frequency (f)	50/60 Hz
Input Voltage (U _{in})	380 ... 480 V
Mounting Type	Module for cabinet building
Output Current, Heavy-Duty Use	361 A
Output Current, Light-Overload Use	485 A
Output Current, Normal Use	505 A
Output Power, Heavy-Duty Use	200 kW
Output Power, Light-Overload Use	250 kW
Output Power, Normal Use	250 kW
Apparent Power Output	350 kV·A
Efficiency Level	IE2
Standby Loss	396 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	1735 W	0.5 %	91.5 %
0 / 50 %	2483 W	0.7 %	93.7 %
0 / 100 %	4506 W	1.3 %	94.2 %
50 / 25 %	1870 W	0.5 %	95.4 %
50 / 50 %	2758 W	0.8 %	96.5 %
50 / 100 %	5239 W	1.5 %	96.7 %
90 / 50 %	3178 W	0.9 %	97.7 %
90 / 100 %	6454 W	1.8 %	97.7 %

Temperature Rating	Maximum 40 °C
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Additional Information	
Product Main Type	ACS580-04
Product Name	Frequency converter

Classifications	
UNSPSC	39122001

Environmental	
SCIP	58f22844-2faf-42d0-845e-c7388e32f3e4 Finland (FI)
WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)

Categories

Drives → Low voltage AC drives → General purpose drives → ACS580-04 - Drive module

