

PRODUCT-DETAILS

# ACS580-04-505A-4+B051

## LV AC general purpose drive module, IEC: Pn 250 kW, 505 A (ACS580-04-505A-4+B051)



General Information	
Global Commercial Alias	ACS580-04-505A-4+B051
Product ID	3ABD00046638-D
ABB Type Designation	ACS580-04-505A-4+B051
Catalog Description	LV AC general purpose drive module, IEC: Pn 250 kW, 505 A (ACS580-04-505A-4+B051)
Long Description	<p>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. All essential features are built-in as standard, simplifying drive selection, and making additional hardware unnecessary. A versatile and straightforward settings menu and assistants enable fast setup, commissioning, use, and maintenance, while a 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 an IP00 enclosure as standard for cabinet installation. In addition, an IP20 enclosure is available.</p>

Ordering	
Country of Origin	China (CN)
Customs Tariff Number	85044099
Invoice Description	ACS580-04-505A-4+B051 PN: 250kW, IN:505A

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	161 dm³
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Dimensions

Product Net Weight	161 kg
Product Net Depth / Length	529 mm
Product Net Height	1462 mm
Product Net Width	345 mm
Package Level 1 Depth / Length	1000 mm
Package Level 1 Height	500 mm
Package Level 1 Width	400 mm
Package Level 1 Units	0 carton

Technical

Number of Phases	3
Degree of Protection	IP00
Enclosure Type NEMA	Open Type
Frequency (f)	47.5 ... 63 Hz
Frame Size	R10
Input Voltage ( $U_{in}$ )	380 ... 500 V
Mounting Type	Module_NO UNIT\$
Output Current, Heavy-Duty Use ( $I_{HD}$ )	361 A
Output Current, Light-Overload Use ( $I_{LD}$ )	485 A
Output Current, Normal Use ( $I_n$ )	505 A
Output Power, Heavy-Duty Use ( $P_{HD}$ )	200 kW
Output Power, Light-Overload Use ( $P_{LD}$ )	250 kW
Output Power, Normal Use ( $P_n$ )	250 kW

Efficiency Level

IE2

Complete Drive Module  
Efficiency (61800-9-2)

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	1842 W	0.4 %	92.4 %
0 / 50 %	2604 W	0.6 %	94.4 %
0 / 100 %	4581 W	1.1 %	95.0 %
50 / 25 %	1971 W	0.5 %	95.9 %
50 / 50 %	2864 W	0.7 %	97.0 %
50 / 100 %	5299 W	1.3 %	97.2 %
90 / 50 %	3275 W	0.8 %	98.1 %
90 / 100 %	6492 W	1.5 %	98.1 %

Additional Information

Product Name

Frequency Converter

Classifications

UNSPSC

39122001

Environmental

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

