

PRODUCT-DETAILS

ACS580-04-820A-4+B051

LV AC general purpose drive module, IEC: Pn 450 kW, 820 A (ACS580-04-820A-4+B051)



General Information	
Global Commercial Alias	ACS580-04-820A-4+B051
Product ID	3ABD00050196-D
ABB Type Designation	ACS580-04-820A-4+B051
Catalog Description	LV AC general purpose drive module, IEC: Pn 450 kW, 820 A (ACS580-04-820A-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	ACS580-04-820A-4+B051 PN: 450kW, IN: 820A

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 dm³
--------------	-------

Dimensions

Product Net Weight	199 kg
Product Net Depth / Length	529 mm
Product Net Height	1662 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	R11
Input Voltage (U_{in})	380 ... 500 V
Mounting Type	Module_NO UNIT\$
Output Current, Heavy-Duty Use (I_{HD})	625 A
Output Current, Light-Overload Use (I_{LD})	810 A
Output Current, Normal Use (I_n)	820 A
Output Power, Heavy-Duty Use (P_{HD})	355 kW
Output Power, Light-Overload Use (P_{LD})	450 kW
Output Power, Normal Use (P_n)	450 kW

Efficiency Level

IE2

Complete Drive Module
Efficiency (61800-9-2)

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	2551 W	0.4 %	93.4 %
0 / 50 %	3666 W	0.5 %	95.1 %
0 / 100 %	6680 W	1.0 %	95.5 %
50 / 25 %	2748 W	0.4 %	96.5 %
50 / 50 %	4097 W	0.6 %	97.3 %
50 / 100 %	7768 W	1.1 %	97.4 %
90 / 50 %	4753 W	0.7 %	98.3 %
90 / 100 %	9652 W	1.4 %	98.2 %

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

