

PRODUCT-DETAILS

ACS580-04-725A-4+P973

LV AC general purpose drive module, IEC: Pn
400 kW, 725 A (ACS580-04-725A-4+P973)



General Information

Global Commercial Alias	ACS580-04-725A-4+P973
Product ID	3ABD00050165-D
ABB Type Designation	ACS580-04-725A-4+P973
Catalog Description	LV AC general purpose drive module, IEC: Pn 400 kW, 725 A (ACS580-04-725A-4+P973)
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	ACS580-04-725A-4+P973(IoT basic 1 year) PN: 400kW, IN: 725A
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	180 kg
Product Net Depth / Length	529 mm
Product Net Height	1462 mm
Product Net Width	345 mm
Package Level 1 Depth / Length	500 mm
Package Level 1 Height	2050 mm
Package Level 1 Width	645 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})	566 A
Output Current, Light-Overload Use (I_{LD})	715 A
Output Current, Normal Use (I_n)	725 A
Output Power, Heavy-Duty Use (P_{HD})	315 kW
Output Power, Light-Overload Use (P_{LD})	400 kW
Output Power, Normal Use (P_n)	400 kW
Efficiency Level	IE2
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	2223 W	0.4 %	93.5 %
0 / 50 %	3150 W	0.5 %	95.3 %
0 / 100 %	5629 W	0.9 %	95.7 %
50 / 25 %	2399 W	0.4 %	96.5 %
50 / 50 %	3524 W	0.6 %	97.4 %
50 / 100 %	6547 W	1.1 %	97.6 %
90 / 50 %	4093 W	0.7 %	98.3 %
90 / 100 %	8108 W	1.3 %	98.3 %

Additional Information

Product Name	Frequency Converter
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Classifications

UNSPSC	39122001
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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 → ACS580-04 - Drive module

