



## PRODUCT-DETAILS

## ACS580-04-725A-4

LV AC general purpose drive module, IEC: Pn 400 kW, 725 A, 400 V, UL: Pld 600 Hp, 705 A, 480 V (ACS580-04-725A-4)



### General Information

<b>Global Commercial Alias:</b>	ACS580-04-725A-4
<b>Product ID:</b>	3AUA0000170523
<b>ABB Type Designation:</b>	ACS580-04-725A-4
<b>EAN:</b>	6438177340454
<b>Catalog Description:</b>	LV AC general purpose drive module, IEC: Pn 400 kW, 725 A, 400 V, UL: Pld 600 Hp, 705 A, 480 V (ACS580-04-725A-4)
<b>Long Description:</b>	<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.</p> <p>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.</p>
<b>Display Name:</b>	ACS580-04-725A-4

## Ordering

<b>Customs Tariff Number:</b>	85044087
<b>HS Code:</b>	850440 -- ELECTRICAL MACHINERY AND EQUIPMENT AND PARTS THEREOF; SOUND RECORDERS AND REPRODUCERS, TELEVISION IMAGE AND SOUND RECORDERS AND REPRODUCERS, AND PARTS AND ACCESSORIES OF SUCH ARTICLES; Electrical transformers, static converters (for example, rectifiers) and inductors; Static converters
<b>Invoice Description:</b>	ACS580-04-725A-4 PN: 400 kW, IN: 725 A
<b>Made To Order:</b>	Yes
<b>Minimum Order Quantity:</b>	1 piece
<b>Order Multiple:</b>	1 piece
<b>Quote Only:</b>	No
<b>Selling Unit of Measure:</b>	piece

## Dimensions

<b>Product Net Weight:</b>	199 kg 438.720 lb
<b>Product Net Depth / Length:</b>	529 mm 20.827 in
<b>Product Net Height:</b>	1662 mm 65.433 in
<b>Product Net Width:</b>	350 mm 13.780 in
<b>Package Level 1 Depth / Length:</b>	2050 mm 80.71 in
<b>Package Level 1 Height:</b>	500 mm 19.69 in
<b>Package Level 1 Width:</b>	650 mm 25.59 in
<b>Package Level 1 Units:</b>	1 case

## Technical

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

<b>Number of Phases:</b>	3-phase
<b>Degree of Protection:</b>	IP00
<b>Enclosure Type NEMA:</b>	Open Type
<b>Altitude:</b>	1000 m
<b>Operating Humidity (RH<sub>amb</sub>):</b>	95
<b>Sound dB (A):</b>	72 dB(A)
<b>Multiple Battery Information:</b>	Lithium Coin, CR2032, 220 mAh, 3 V, 1 pc, 3 g
<b>Frequency (f):</b>	47.5 ... 63 Hz
<b>Frame Size:</b>	R11
<b>Input Voltage (U<sub>in</sub>):</b>	380 ... 480 V
<b>Mounting Type:</b>	Module
<b>Communication Protocol:</b>	CAN DeviceNet EtherNet/IP MODBUS Other Bus Systems PROFIBUS PROFINET IO TCP/IP
<b>Number of Hardware Interfaces:</b>	Industrial Ethernet 0 Other 2 Parallel 2 PROFINET 0 RS-232 0 RS-422 0 RS-485 1 Serial TTY 0 USB 1
<b>Includes:</b>	Control unit PC connection
<b>Analog Inputs:</b>	2
<b>Analog Outputs:</b>	2
<b>Number of Digital In/Outputs:</b>	6 / 3
<b>Output Current, Normal Use (I<sub>n</sub>):</b>	725 A
<b>Output Current, Light-Overload Use (I<sub>LD</sub>):</b>	715 A
<b>Output Current, Heavy-Duty Use (I<sub>HD</sub>):</b>	566 A
<b>Output Power, Normal Use (P<sub>n</sub>):</b>	400 kW
<b>Output Power, Light-Overload Use (P<sub>LD</sub>):</b>	400 kW
<b>Output Power, Heavy-Duty Use (P<sub>HD</sub>):</b>	315 kW
<b>Power Consumption (@P<sub>cons</sub>):</b>	8108 W
<b>Apparent Power Output:</b>	502 kV·A
<b>Efficiency Level:</b>	IE2
<b>Standby Loss:</b>	466 W
<b>Temperature Rating:</b>	Maximum 40 °C Minimum -15 °C

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## Technical UL

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Output Current, Heavy-Duty Use (UL):	566 A
Output Current, Light-Overload Use (UL):	705 A
Output Current, Normal Use (UL):	725 A
Output Power, Heavy-Duty Use (UL):	450 Hp
Output Power, Light-Overload Use (UL):	600 Hp

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## Certificates and Declarations

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Declaration of Conformity - CE:	3AXD10001818627
REACH Date:	20250905
REACH Declaration:	9AKK107992A7060
REACH Information:	True - contains substances > 0.1 mass percentage
RoHS Date:	20240508
RoHS Declaration:	3AXD10001818627
RoHS Information:	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

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## Environmental

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SCIP:	e9fd22a6-81c4-4079-87c1-83e8cf566d7a Finland
WEEE Category:	4. Large Equipment (Any External Dimension More Than 50 cm)

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## External Classifications and Standards

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ETIM 9:	EC001857 - Frequency converter =< 1 kV
ETIM 10:	EC001857 - Frequency converter =< 1 kV
UNSPSC:	39122001

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## Categories

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Products > Drives > Low Voltage AC Drives > General Purpose Drives > ACS580-04 - Drive module

