

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	
Global Commercial Alias	ACS580-04-725A-4
Product ID	3AUA0000170523
ABB Type Designation	ACS580-04-725A-4
EAN	6438177340454
Catalog Description	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)
Long Description	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. 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	85044086
Invoice Description	ACS580-04-725A-4 PN: 400 kW, IN: 725 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	307.719 dm³
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Dimensions

Product Net Weight	199 kg 438.720 lb
Product Net Depth / Length	529 mm 20.827 in
Product Net Height	1662 mm 65.433 in
Product Net Width	350 mm 13.780 in
Package Level 1 Depth / Length	2060.00 mm 81.102 in
Package Level 1 Height	500.00 mm 19.685 in
Package Level 1 Width	670.00 mm 26.378 in
Package Level 1 Units	1 carton

Technical

Number of Phases	3
Degree of Protection	IP00
Enclosure Type NEMA	Open Type
Altitude	1000 m 95
Sound dB (A)	72 dB(A)
Multiple Battery Information	Lithium Coin, CR2032, 220 mAh, 3 V, 1 pc, 3 g
Frequency (f)	47.5 ... 63 Hz
Frame Size	R11
Input Voltage (U _{in})	380 ... 480 V
Mounting Type	Module for cabinet building
Communication Protocol	CAN DeviceNet EtherNet/IP MODBUS Other Bus Systems PROFIBUS PROFINET IO TCP/IP
Number of Hardware Interfaces	Industrial Ethernet 0 Other 2 Parallel 2 PROFINET 0 RS-232 0 RS-422 0 RS-485 1

	Serial TTY 0 USB 1
Includes	Control unit PC connection
Analog Inputs	2
Analog Outputs	2
Number of Digital In/Outputs	6 / 3
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
Apparent Power Output	502 kV·A
Efficiency Level	IE2
Standby Loss	466 W
Complete Drive Module Efficiency (61800-9-2)	

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 %

Temperature Rating	Maximum 40 °C Minimum -15 °C
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Additional Information

Product Main Type	ACS580-04
Product Name	Frequency converter

Classifications

ETIM 8	EC001857 - Frequency converter =< 1 kV
ETIM 9	EC001857 - Frequency converter =< 1 kV
UNSPSC	39122001

Environmental

SCIP	e9fd22a6-81c4-4079-87c1-83e8cf566d7a 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

