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LOW VOLTAGE AC

ACS580-04-880A-4

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LV AC general purpose drive module, IEC: Pn 500 kW, 880 A, 400 V, UL: Pld 700 Hp, 807 A, 480 V (ACS580-04-880A-4)

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Product ID: 3A11A0000170525



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General Information

Global Commercial Alias:

ACS580-04-880A-4

Product ID:

3AUA0000170525

ABB Type Designation:

ACS580-04-880A-4

EAN:

6438177340478

Catalog Description:

LV AC general purpose drive module, IEC: Pn 500 kW, 880 A, 400 V, UL: Pld 700 Hp, 807 A, 480 V (ACS580-04-880A-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

HS Code:

850440-- Electrical transformers, static converters (for example, rectifiers) and inductors.- Static converters

Invoice Description:

ACS580-04-880A-4 PN: 500 kW, IN: 880 A

Made To Order:

Yes

Minimum Order Quantity:

1 piece

Order Multiple:

1 piece

Quote Only:

No

Selling Unit of Measure:

piece

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

Operating Humidity (RH_{amb}):

95

Sound dB (A):

71 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, Normal Use (I_n):

880 A

Output Current, Light-Overload Use (I_{LD}):

865 A

Output Current, Heavy-Duty Use (I_{HD}):

725 A

Output Power, Normal Use (P_n):

500 kW

Output Power, Light-Overload Use (P_{LD}):

500 kW

Output Power, Heavy-Duty Use (P_{HD}):

400 kW

Apparent Power Output:

610 kV·A

Efficiency Level:

IE2

Standby Loss:

615 W

Complete Drive Module Efficiency (61800-9-2):

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	2916 W	93.0 %	0.4 %
0/50 %	4164 W	94.8 %	0.6 %
0/100 %	7551 W	95.3 %	1.0 %
50/25 %	3134 W	96.3 %	0.4 %
50/50 %	4641 W	97.2 %	0.6 %
50/100 %	8766 W	97.3 %	1.2 %
90/50 %	5366 W	98.2 %	0.7 %
90/100 %	10887 W	98.1 %	1.5 %

Temperature Rating:

Maximum 40 °C

Minimum -15 °C

Technical UL

Output Current, Heavy-Duty Use (UL):

625 A

Output Current, Light-Overload Use (UL):

807 A

Output Current, Normal Use (UL):

880 A

Output Power, Heavy-Duty Use (UL):

500 Hp

Output Power, Light-Overload Use (UL):

700 Hp

Classifications

ETIM 8:

EC001857 - Frequency converter =< 1 kV

EC001857 - Frequency converter =< 1 kV

39122001

e9fd22a6-81c4-4079-87c1-83e8cf566d7a Finland (FI)

4. Large Equipment (Any External Dimension More Than 50 cm)

Frequency converter

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