



ACS880-01-034A-5

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General Information

Global Commercial Alias:

ACS880-01-034A-5

Product ID:

3AUA0000090437

ABB Type Designation:

ACS880-01-034A-5

EAN:

6438177557418

Catalog Description:

LV AC industrial wall-mounted single drive, IEC: Pn 18.5 kW, 34 A, 500 V, UL: Pld 25 Hp, 34 A, 460 V (ACS880-01-034A-5)

Long Description:

The ACS880-01 drives are customized to meet the particular needs of specific industries, such as oil and gas, mining, metals, chemicals, cement, power plants, material handling, pulp and paper, sawmills, marine, water and wastewater, food and beverage, and automotive. They can control a wide range o... [Show More](#)



Go To Section:[Ordering](#)[Dimensions](#)[Technical](#)[Technical UL](#)[Classifications](#)[Environmental](#)[Additional Information](#)**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:

ACS880-01-034A-5 PN: 18.5 kW, IN: 34 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:**

10.8 kg

23.810 lb

Product Net Depth / Length:

261 mm

10.276 in

Product Net Height:

475 mm

18.701 in

Product Net Width:

173 mm

6.81 in

Package Level 1 Depth / Length:

624 mm

24.57 in

Package Level 1 Height:

316 mm

12.441 in
Package Level 1 Width:
256 mm
10.079 in
Package Level 1 Units:
1 carton
Technical
Number of Phases:
3
Degree of Protection:
IP21
Enclosure Type NEMA:
Type1
Altitude:
4000 m
Operating Humidity (RH_{amb}):
5 ... 95
Sound dB (A):
60 dB(A)
Multiple Battery Information:
Lithium Coin, CR2032, 220 mAh, 3 V, 2 pcs, 6 g
Frequency (f):
47.5 ... 63 Hz
Frame Size:
R3
Input Voltage (U_{in}):
380 ... 500 V
Mounting Type:
Wall-mounted
Communication Protocol:
CAN
DeviceNet
EtherNet/IP
MODBUS
Other Bus Systems
PROFIsafe
PROFIBUS
PROFINET IO
Number of Hardware Interfaces:
Industrial Ethernet 0
Other 4
Parallel 0
PROFINET 0
RS-232 0
RS-422 0
RS-485 1
Serial TTY 0
USB 1
Includes:
Control unit
PC connection
Analog Inputs:

Analog Outputs:

2

Number of Digital In/Outputs:

6 / 2

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

27 A

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

32 A

Output Current, Normal Use (I_n):

34 A

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

15.0 kW

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

18.5 kW

Output Power, Normal Use (P_n):

18.5 kW

Apparent Power Output:

29 kV·A

Efficiency Level:

IE2

Standby Loss:

27 W

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

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	166 W	0.6 %	90.4 %
0 / 50 %	218 W	0.7 %	93.3 %
0 / 100 %	344 W	1.2 %	94.6 %
50 / 25 %	172 W	0.6 %	95.0 %
50 / 50 %	233 W	0.8 %	96.4 %
50 / 100 %	393 W	1.3 %	97.0 %
90 / 50 %	255 W	0.9 %	97.8 %
90 / 100 %	454 W	1.5 %	98.0 %

Temperature Rating:

Maximum 40 °C

Technical UL

Output Current, Heavy-Duty Use (UL):

27 A

Output Current, Light-Overload Use (UL):

34 A

Output Current, Normal Use (UL):

- A

Output Power, Heavy-Duty Use (UL):

20 Hp

Output Power, Light-Overload Use (UL):

25 Hp

Classifications

ETIM 8:

EC001857 - Frequency converter =< 1 kV

ETIM 9:

EC001857 - Frequency converter =< 1 kV

UNSPSC:

39122001

Environmental

SCIP:

4ac5f0da-ba5c-4c9a-bfbf-279008b38a92 Finland (FI)

WEEE Category:

5. Small Equipment (No External Dimension More Than 50 cm)

Additional Information

Product Name:

Frequency converter
