

PRODUCT-DETAILS

# ACS580-01-246A-4

LV AC general purpose wall-mounted drive, IEC:  
Pn 132 kW, 246 A, 400 V, 480 V (ACS580-01-246A-4)



## General Information

Global Commercial Alias	ACS580-01-246A-4
Product ID	3AUA0000080507
ABB Type Designation	ACS580-01-246A-4
EAN	6438177305637
Catalog Description	LV AC general purpose wall-mounted drive, IEC: Pn 132 kW, 246 A, 400 V, 480 V (ACS580-01-246A-4)

The ACS580-01 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.

Long Description

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 wall-mounted ACS580-01 comes in IP21 enclosure as standard. Also, IP55 and flange mounting units are 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	ACS580-01-246A-4 PN: 132 kW, IN: 246 A

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	113.774 dm <sup>3</sup>
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## Dimensions

Product Net Weight	69 kg 152.119 lb
Product Net Depth / Length	393.00 mm 15.47 in
Product Net Height	965.00 mm 37.99 in
Product Net Width	300.00 mm 11.81 in
Package Level 1 Depth / Length	1145.00 mm 45.079 in
Package Level 1 Height	630.00 mm 24.803 in
Package Level 1 Width	485.00 mm 19.094 in
Package Level 1 Units	1 carton

## Technical

Number of Phases	3
Degree of Protection	IP21
Enclosure Type NEMA	Type1
Altitude	1000 m
Sound dB (A)	95
Multiple Battery Information	Lithium Coin, CR2032, 220 mAh, 3 V, 1 pc, 3 g
Frequency (f)	47.5 ... 63 Hz
Frame Size	R8
Input Voltage ( $U_{in}$ )	380 ... 480 V
Mounting Type	Wall-mounted
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 ( $I_{HD}$ )	206 A
Output Current, Light-Overload Use ( $I_{LD}$ )	234 A
Output Current, Normal Use ( $I_n$ )	246 A
Output Power, Heavy-Duty Use ( $P_{HD}$ )	110 kW
Output Power, Light-Overload Use ( $P_{LD}$ )	132 kW
Output Power, Normal Use ( $P_n$ )	132 kW
Apparent Power Output	170 kV·A
Efficiency Level	IE2
Standby Loss	47 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	819 W	91.9 %	0.5 %
0/50 %	1130 W	94.0 %	0.7 %
0/100 %	2032 W	94.5 %	1.2 %
50/25 %	897 W	95.6 %	0.5 %
50/50 %	1284 W	96.7 %	0.8 %
50/100 %	2383 W	96.9 %	1.4 %
90/50 %	1518 W	97.8 %	0.9 %
90/100 %	3131 W	97.7 %	1.8 %

Temperature Rating	Maximum 40 °C Minimum -15 °C
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## Classifications

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

## Environmental

SCIP	392bf175-c6df-4719-8b82-cdb09cfcad61 Finland (FI)
WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)

## Additional Information

Product Main Type	ACS580-01
Product Name	Frequency converter

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## Categories

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Drives → Low Voltage AC Drives → General Purpose Drives → ACS580-01 - Wall-mounted drive

