

PRODUCT-DETAILS

# ACS580-01-04A1-4

ACS580-01-04A1-4 PN: 1.5 kW, IN: 4.0 A



## General Information

Global Commercial Alias	ACS580-01-04A1-4
Product ID	3AXD50000038939
ABB Type Designation	ACS580-01-04A1-4
EAN	6438177457893
Catalog Description	ACS580-01-04A1-4 PN: 1.5 kW, IN: 4.0 A

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	Romania (RO) Finland (FI) China (CN)
Customs Tariff Number	85044084
Invoice Description	ACS580-01-04A1-4 PN: 1.5 kW, IN: 4.0 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	10.397 dm <sup>3</sup>
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## Dimensions

Product Net Weight	4.6 kg
Product Net Depth / Length	223 mm
Product Net Height	373 mm
Product Net Width	125 mm
Package Level 1 Depth / Length	225 mm
Package Level 1 Height	370 mm
Package Level 1 Width	526 mm
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)	59 dB(A)
Frequency (f)	50/60 Hz
Input Voltage (U <sub>in</sub> )	380 ... 480 V
Mounting Type	Wall-mounted
Communication Protocol	MODBUS DeviceNet PROFIBUS CAN EtherNet/IP PROFINET IO TCP/IP Other Bus Systems
Number of Hardware Interfaces	Industrial Ethernet 0 PROFINET 0 RS-232 0 RS-422 0 RS-485 1 Serial TTY 0 USB 1 Parallel 2 Other 2
Includes	With control unit Without optical interface With PC connection
Analog Inputs	2
Analog Outputs	2
Number of Digital In/Outputs	6/3
Output Current, Heavy-Duty Use	3.3 A
Output Current, Light-Overload Use	3.8 A
Output Current, Normal Use	4.0 A

Output Power, Heavy-Duty Use	1.1 kW
Output Power, Light-Overload Use	1.5 kW
Output Power, Normal Use	1.5 kW
Apparent Power Output	2.8 kV·A
Efficiency Level	IE2
Standby Loss	14 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	33 W	1.2 %	81.8 %
0 / 50 %	36 W	1.3 %	88.7 %
0 / 100 %	45 W	1.6 %	92.1 %
50 / 25 %	34 W	1.2 %	90.0 %
50 / 50 %	39 W	1.4 %	93.9 %
50 / 100 %	50 W	1.8 %	95.6 %
90 / 50 %	43 W	1.5 %	96.1 %
90 / 100 %	59 W	2.1 %	97.1 %

Temperature Rating Maximum 40 °C

## Additional Information

Product Main Type	ACS580-01
Product Name	Frequency converter

## Classifications

ETIM 7	EC001857 - Frequency converter =< 1 kV
UNSPSC	39122001

## Environmental

SCIP	a5c3dd71-8ecd-44d9-98e4-45c53b6836e1 Finland (FI)
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

## Categories

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

