

PRODUCT-DETAILS

# ACS580-01-07A3-4

## ACS580-01-07A3-4 PN: 3.0 kW, IN: 7.2 A



### General Information

Global Commercial Alias	ACS580-01-07A3-4
Product ID	3AXD50000038951
ABB Type Designation	ACS580-01-07A3-4
EAN	6438177459217
Catalog Description	ACS580-01-07A3-4 PN: 3.0 kW, IN: 7.2 A

Long Description	<p>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.</p> <p>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.</p>
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### Ordering

Country of Origin	Romania (RO) Finland (FI) China (CN)
Customs Tariff Number	85044085
Invoice Description	ACS580-01-07A3-4 PN: 3.0 kW, IN: 7.2 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 10.141 lb
Product Net Depth / Length	223 mm 8.780 in
Product Net Height	373 mm 14.685 in
Product Net Width	125 mm 4.921 in
Package Level 1 Depth / Length	225.00 mm 8.858 in
Package Level 1 Height	370.00 mm 14.567 in
Package Level 1 Width	526.00 mm 20.709 in
Package Level 1 Units	1 carton

### Technical

Number of Phases	3
Degree of Protection	IP21
Enclosure Type NEMA	Type1
Altitude	1000 m
	95
Sound dB (A)	59 dB(A)
Multiple Battery Information	Lithium Coin, CR2032, 220 mAh, 3 V, 1 pc, 3 g
Frequency (f)	47.5 ... 63 Hz
Frame Size	R1
Input Voltage (U <sub>in</sub> )	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	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 ( $I_{HD}$ )	5.6 A
Output Current, Light-Overload Use ( $I_{LD}$ )	6.8 A
Output Current, Normal Use ( $I_n$ )	7.2 A
Output Power, Heavy-Duty Use ( $P_{HD}$ )	2.2 kW
Output Power, Light-Overload Use ( $P_{LD}$ )	3.0 kW
Output Power, Normal Use ( $P_n$ )	3 kW
Apparent Power Output	5.0 kV-A
Efficiency Level	IE2
Standby Loss	14 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	49 W	84.3 %	1.0 %
0/50 %	57 W	89.9 %	1.1 %
0/100 %	77 W	92.4 %	1.6 %
50/25 %	52 W	91.4 %	1.0 %
50/50 %	62 W	94.5 %	1.2 %
50/100 %	87 W	95.8 %	1.7 %
90/50 %	67 W	96.6 %	1.4 %
90/100 %	98 W	97.3 %	2.0 %

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

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## Categories

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

