



PRODUCT-DETAILS

ACS580-01-09A5-4

LV AC general purpose wall-mounted drive, IEC:
Pn 4 kW, 9.4 A, 400 V, 480 V (ACS580-01-09A5-4)



General Information

Global Commercial Alias	ACS580-01-09A5-4
Product ID	3AXD50000038952
ABB Type Designation	ACS580-01-09A5-4
EAN	6438177459224

Catalog Description	LV AC general purpose wall-mounted drive, IEC: Pn 4 kW, 9.4 A, 400 V, 480 V (ACS580-01-09A5-4)
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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.
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Ordering

Country of Origin	Romania (RO) Finland (FI) China (CN)
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Customs Tariff Number	85044085
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Invoice Description	ACS580-01-09A5-4 PN: 4.0 kW, IN: 9.4 A
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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	10.397 dm³
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Dimensions

Product Net Weight	4.6 kg 10.141 lb
Product Net Depth / Length	223.00 mm 8.78 in
Product Net Height	373.00 mm 14.69 in
Product Net Width	125.00 mm 4.92 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
Sound dB (A)	95
Multiple Battery Information	59 dB(A) Lithium Coin, CR2032, 220 mAh, 3 V, 1 pc, 3 g
Frequency (f)	47.5 ... 63 Hz
Frame Size	R1
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})	7.2 A
Output Current, Light-Overload Use (I_{LD})	8.9 A
Output Current, Normal Use (I_n)	9.4 A
Output Power, Heavy-Duty Use (P_{HD})	3.0 kW
Output Power, Light-Overload Use (P_{LD})	4.0 kW
Output Power, Normal Use (P_n)	4 kW
Apparent Power Output	6.5 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 %	62 W	84.7 %	1.0 %
0/50 %	74 W	90.0 %	1.1 %
0/100 %	105 W	92.1 %	1.6 %
50/25 %	66 W	91.6 %	1.0 %
50/50 %	81 W	94.5 %	1.2 %
50/100 %	118 W	95.6 %	1.8 %
90/50 %	88 W	96.6 %	1.4 %
90/100 %	136 W	97.1 %	2.1 %

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 8	EC001857 - Frequency converter =< 1 kV
ETIM 9	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

