PRODUCT-DETAILS

ACS580-01-09A5-4+B056

LV AC general purpose wall-mounted drive, IEC: Pn 4 kW, 9.4 A, 400 V (ACS580-01-09A5-4+B056)

General Information

Global Commercial Alias	ACS580-01-09A5-4+B056
Product ID	3AXD50000038969
ABB Type Designation	ACS580-01-09A5-4+B056
EAN	6438177459347
Catalog Description	LV AC general purpose wall-mounted drive, IEC: Pn 4 kW, 9.4 A, 400 V (ACS580-01-09A5-4+B056)
Long Description	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. 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

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Country of Origin	Romania (RO) Finland (FI) China (CN)
Customs Tariff Number	85044085
HS Code	850440-- Electrical transformers, static converters (for example, rectifiers) and inductors.- Static converters
Invoice Description	ACS580-01-09A5-4+B056 PN: 4.0 kW, IN: 9.4 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	12.019 dm^3

Dimensions

Product Net Weight	4.8 kg 10.582 lb
Product Net Depth / Length	233.00 mm 9.173 in
Product Net Height	403 mm 15.866 in
Product Net Width	128.00 mm 5.039 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	IP55
Enclosure Type NEMA	Type12
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_{in})	380 ... 480 V
Mounting Type	Wall-mounted
Communication Protocol	CAN DeviceNet EtherNet/IP MODBUS Other Bus Systems PROFIBUS PROFINET IO

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	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 50 °C Minimum -15 °C

Classifications

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

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Environmental

SCIP	85773b93-5c45-45c8-a538-ebdaaaf96ece Finland (FI)
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

Additional Information

Product Main Type	ACS580-01
Product Name	Frequency converter

Categories

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

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