

PRODUCT-DETAILS

ACS580-01-05A7-4

LV AC general purpose wall-mounted drive,
IEC: Pn 2.2 kW, 5.6 A, 400 V, 480 V (ACS580-01-05A7-4)



General Information

Global Commercial Alias	ACS580-01-05A7-4
Product ID	3AXD50000038940
ABB Type Designation	ACS580-01-05A7-4
EAN	6438177457909
Catalog Description	LV AC general purpose wall-mounted drive, IEC: Pn 2.2 kW, 5.6 A, 400 V, 480 V (ACS580-01-05A7-4)

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	Romania (RO) Finland (FI) China (CN)
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Customs Tariff Number	85044085
Invoice Description	ACS580-01-05A7-4 PN: 2.2 kW, IN: 5.6 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 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 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 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})	4.0 A
Output Current, Light- Overload Use (I_{LD})	5.3 A
Output Current, Normal Use (I_n)	5.6 A
Output Power, Heavy- Duty Use (P_{HD})	1.5 kW
Output Power, Light- Overload Use (P_{LD})	2.2 kW
Output Power, Normal Use (P_n)	2.2 kW
Apparent Power Output	3.9 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 %	41 W	83.3 %	1.1 %
0/50 %	47 W	89.4 %	1.2 %
0/100 %	62 W	92.3 %	1.6 %
50/25 %	43 W	90.8 %	1.1 %
50/50 %	51 W	94.2 %	1.3 %
50/100 %	70 W	95.6 %	1.8 %
90/50 %	56 W	96.3 %	1.5 %
90/100 %	85 W	97.0 %	2.2 %

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

