

PRODUCT-DETAILS

# ACS580-01-12A7-4+B056

LV AC general purpose wall-mounted drive,  
IEC: Pn 5.5 kW, 12.6 A, 400 V, 480 V (ACS580-01-12A7-4+B056)



## General Information

Global Commercial Alias	ACS580-01-12A7-4+B056
Product ID	3AXD50000038970
ABB Type Designation	ACS580-01-12A7-4+B056
EAN	6438177459354
Catalog Description	LV AC general purpose wall-mounted drive, IEC: Pn 5.5 kW, 12.6 A, 400 V, 480 V (ACS580-01-12A7-4+B056)

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	ACS580-01-12A7-4+B056 PN: 5.5 kW, IN: 12.6 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 dm³
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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 <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	Control unit PC connection
Analog Inputs	2
Analog Outputs	2
Number of Digital In/Outputs	6 / 3
Output Current, Heavy- Duty Use ( $I_{HD}$ )	9.4 A
Output Current, Light- Overload Use ( $I_{LD}$ )	12.0 A
Output Current, Normal Use ( $I_n$ )	12.6 A
Output Power, Heavy- Duty Use ( $P_{HD}$ )	4.0 kW
Output Power, Light- Overload Use ( $P_{LD}$ )	5.5 kW
Output Power, Normal Use ( $P_n$ )	5.5 kW
Apparent Power Output	8.7 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 %	68 W	87.1 %	0.8 %
0/50 %	88 W	91.0 %	1.0 %
0/100 %	157 W	91.9 %	1.8 %
50/25 %	73 W	93.0 %	0.8 %
50/50 %	98 W	95.0 %	1.1 %
50/100 %	178 W	95.4 %	2.0 %
90/50 %	108 W	96.9 %	1.2 %
90/100 %	213 W	96.9 %	2.4 %

Temperature Rating	Maximum 50 °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

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**Environmental**

SCIP	85773b93-5c45-45c8-a538-ebdaaf96ece 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

