



PRODUCT-DETAILS

ACS580-01-106A-4+B056

LV AC general purpose wall-mounted drive, IEC:  
Pn 55 kW, 106 A, 400 V, 480 V (ACS580-01-106A-4+B056)



General Information

Global Commercial Alias	ACS580-01-106A-4+B056
Product ID	3AUA0000083578
ABB Type Designation	ACS580-01-106A-4+B056
EAN	6438177306092
Catalog Description	LV AC general purpose wall-mounted drive, IEC: Pn 55 kW, 106 A, 400 V, 480 V (ACS580-01-106A-4+B056)

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	Finland (FI)
Customs Tariff Number	85044085
Invoice Description	ACS580-01-106A-4+B056 PN: 55 kW, IN: 106 A
Made To Order	Yes
Minimum Order Quantity	1 piece

Order Multiple	1 piece
Quote Only	No
Selling Unit of Measure	piece

Dimensions

Product Net Weight	29 kg 63.934 lb
Product Net Depth / Length	320.00 mm 12.598 in
Product Net Height	1023 mm 40.276 in
Product Net Width	203.00 mm 7.992 in
Package Level 1 Depth / Length	835.00 mm 32.874 in
Package Level 1 Height	521.00 mm 20.512 in
Package Level 1 Width	295.00 mm 11.614 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)	63 dB(A)
Multiple Battery Information	Lithium Coin, CR2032, 220 mAh, 3 V, 1 pc, 3 g
Frequency (f)	47.5 ... 63 Hz
Frame Size	R5
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 <sub>HD</sub> )	87 A
Output Current, Light-Overload Use (I <sub>LD</sub> )	100 A

Output Current, Normal Use ( $I_n$ )	106 A
Output Power, Heavy-Duty Use ( $P_{HD}$ )	45 kW
Output Power, Light-Overload Use ( $P_{LD}$ )	55 kW
Output Power, Normal Use ( $P_n$ )	55 kW
Apparent Power Output	73 kV·A
Efficiency Level	IE2
Standby Loss	24 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	325 W	92.5 %	0.4 %
0/50 %	449 W	94.5 %	0.6 %
0/100 %	864 W	94.6 %	1.2 %
50/25 %	359 W	95.9 %	0.5 %
50/50 %	521 W	96.8 %	0.7 %
50/100 %	1023 W	96.9 %	1.4 %
90/50 %	606 W	97.9 %	0.8 %
90/100 %	1290 W	97.8 %	1.8 %

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

Environmental

SCIP	28daf65e-92a8-4810-9f9f-8a94b5b77014 Finland (FI)
WEEE Category	4. Large Equipment (Any 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

