

PRODUCT-DETAILS

ACS580-01-047A-2

LV AC general purpose wall-mounted drive, IEC:  
Pn 11 kW, 46.7 A, 230 V (ACS580-01-047A-2)



General Information

Global Commercial Alias	ACS580-01-047A-2
Product ID	3AXD50000417414
ABB Type Designation	ACS580-01-047A-2
EAN	6438177591238
Catalog Description	LV AC general purpose wall-mounted drive, IEC: Pn 11 kW, 46.7 A, 230 V (ACS580-01-047A-2)
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>

Ordering

Country of Origin	China (CN) Finland (FI) United States (US)
Customs Tariff Number	85044085
Invoice Description	ACS580-01-047A-2 PN: 11.0 kW, IN: 46 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	22.779 dm³
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Dimensions

Product Net Weight	11.8 kg 26.015 lb
Product Net Depth / Length	229.00 mm 9.02 in
Product Net Height	490.00 mm 19.29 in
Product Net Width	203.00 mm 7.99 in
Package Level 1 Depth / Length	295.00 mm
Package Level 1 Height	390.00 mm
Package Level 1 Width	600.00 mm

Technical

Number of Phases	3
Degree of Protection	IP21
Enclosure Type NEMA	Type1
Altitude	1000 m 95
Sound dB (A)	76 dB(A)
Multiple Battery Information	Lithium Coin, CR2032, 220 mAh, 3 V, 1 pc, 3 g
Frequency (f)	47.5 ... 63 Hz
Frame Size	R3
Input Voltage (U <sub>in</sub> )	200 ... 240 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-	30.8 A

Duty Use ( $I_{HD}$ )	
Output Current, Light-Overload Use ( $I_{LD}$ )	46.2 A
Output Current, Normal Use ( $I_n$ )	46.7 A
Output Power, Heavy-Duty Use ( $P_{HD}$ )	7.5 kW
Output Power, Light-Overload Use ( $P_{LD}$ )	11.0 kW
Output Power, Normal Use ( $P_n$ )	11 kW
Apparent Power Output	19 kV·A
Efficiency Level	IE2
Standby Loss	15 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	164 W	85.7 %	0.9 %
0/50 %	207 W	90.2 %	1.1 %
0/100 %	346 W	91.6 %	1.9 %
50/25 %	177 W	92.0 %	1.0 %
50/50 %	232 W	94.5 %	1.2 %
50/100 %	410 W	95.1 %	2.2 %
90/50 %	267 W	96.4 %	1.4 %
90/100 %	533 W	96.4 %	2.9 %

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	f1c9bd3a-ea8b-410d-bd78-7d4098ee31cf 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

