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 PRODUCT-DETAILS

## ACS580-01-04A7-2

LV AC general purpose wall-mounted drive,  
IEC: Pn 0.75 kW, 4.7 A, 230 V (ACS580-01-04A7-2)




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**General Information**

Global Commercial Alias	ACS580-01-04A7-2
Product ID	3AXD50000417346
ABB Type Designation	ACS580-01-04A7-2
EAN	6438177591061

Catalog Description	LV AC general purpose wall-mounted drive, IEC: Pn 0.75 kW, 4.7 A, 230 V (ACS580-01-04A7-2)
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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	China (CN) Finland (FI) United States (US)
Customs Tariff Number	85044085
HS Code	850440-- Electrical transformers, static converters (for example, rectifiers) and inductors.- Static converters
Invoice Description	ACS580-01-04A7-2 PN: 0.75 kW, IN: 4.7 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 dm <sup>3</sup>
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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
Package Level 1 Height	370.00 mm
Package Level 1 Width	526.00 mm

## Technical

Number of Phases	3
Degree of Protection	IP21
Enclosure Type NEMA	Type1
Altitude	1000 m 5 ... 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> )	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-Duty Use ( $I_{HD}$ )	3.5 A
Output Current, Light-Overload Use ( $I_{LD}$ )	4.6 A
Output Current, Normal Use ( $I_n$ )	4.7 A
Output Power, Heavy-Duty Use ( $P_{HD}$ )	0.55 kW
Output Power, Light-Overload Use ( $P_{LD}$ )	0.75 kW
Output Power, Normal Use ( $P_n$ )	0.75 kW
Apparent Power Output	1.9 kV-A
Efficiency Level	IE2
Standby Loss	13 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	32 W	75.6 %	1.7 %
0/50 %	35 W	84.6 %	1.9 %
0/100 %	42 W	89.4 %	2.2 %
50/25 %	33 W	86.2 %	1.8 %
50/50 %	37 W	91.5 %	2.0 %
50/100 %	46 W	94.2 %	2.5 %
90/50 %	40 W	94.7 %	2.1 %
90/100 %	53 W	96.2 %	2.8 %

Temperature Rating	Maximum 40 °C Minimum -15 °C
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### Classifications

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

### Environmental

SCIP	8105d671-49fa-4c1c-836d-baf56982886a Finland (FI)
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

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### Additional Information

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Product Main Type	ACS580-01
Product Name	Frequency converter

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### Categories

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

