




---

 PRODUCT-DETAILS

## ACS580-01-595A-4

LV AC general purpose wall-mounted drive,  
IEC: Pn 315 kW, 595 A, 400 V (ACS580-01-595A-4)




---

### General Information

---

<b>Global Commercial Alias:</b>	ACS580-01-595A-4
<b>Product ID:</b>	3AXD50001061272
<b>ABB Type Designation:</b>	ACS580-01-595A-4
<b>EAN:</b>	6438177753124
<b>Catalog Description:</b>	LV AC general purpose wall-mounted drive, IEC: Pn 315 kW, 595 A, 400 V (ACS580-01-595A-4)
<b>Long Description:</b>	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. 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.
<b>Display Name:</b>	ACS580-01-595A-4

## Ordering

<b>Customs Tariff Number:</b>	85044087
<b>HS Code:</b>	850440 -- ELECTRICAL MACHINERY AND EQUIPMENT AND PARTS THEREOF; SOUND RECORDERS AND REPRODUCERS, TELEVISION IMAGE AND SOUND RECORDERS AND REPRODUCERS, AND PARTS AND ACCESSORIES OF SUCH ARTICLES;Electrical transformers, static converters (for example, rectifiers) and inductors;Static converters
<b>Invoice Description:</b>	ACS580-01-595A-4 PN: 315 kW, IN: 595 A
<b>Made To Order:</b>	Yes
<b>Minimum Order Quantity:</b>	1 piece
<b>Order Multiple:</b>	1 piece
<b>Quote Only:</b>	No
<b>Selling Unit of Measure:</b>	piece

## Dimensions

<b>Product Net Weight:</b>	185 kg 408 lb
<b>Product Net Depth / Length:</b>	520 mm 20.47 in
<b>Product Net Height:</b>	1130 mm 44.49 in
<b>Product Net Width:</b>	416 mm 16.38 in
<b>Package Level 1 Depth / Length:</b>	679 mm 26.73 in
<b>Package Level 1 Height:</b>	1238 mm 48.74 in
<b>Package Level 1 Width:</b>	600 mm 23.62 in
<b>Package Level 1 Units:</b>	1 case

## Technical

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	1715 W	92.8 %	0.4 %
0/50 %	2593 W	94.3 %	0.6 %
0/100 %	4777 W	94.7 %	1.2 %
50/25 %	1834 W	96.2 %	0.4 %
50/50 %	2773 W	97.0 %	0.7 %
50/100 %	5443 W	97.1 %	1.3 %
90/50 %	3174 W	98.1 %	0.8 %
90/100 %	6559 W	98.0 %	1.6 %

<b>Number of Phases:</b>	3-phase
<b>Degree of Protection:</b>	IP21
<b>Enclosure Type NEMA:</b>	Type1
<b>Altitude:</b>	1000 m
<b>Sound dB (A):</b>	75 dB(A)
<b>Frequency (f):</b>	47.5 ... 63 Hz
<b>Frame Size:</b>	R9e
<b>Input Voltage (U<sub>in</sub>):</b>	380 ... 480 V
<b>Mounting Type:</b>	Wall-mounted
<b>Communication Protocol:</b>	CAN DeviceNet EtherNet/IP MODBUS Other Bus Systems PROFIsafe PROFIBUS PROFINET IO TCP/IP
<b>Number of Hardware Interfaces:</b>	Industrial Ethernet 0 Other 2 Parallel 2 PROFINET 0 RS-232 0 RS-422 0 RS-485 1 Serial TTY 0 USB 1
<b>Includes:</b>	Control unit PC connection
<b>Analog Inputs:</b>	2
<b>Analog Outputs:</b>	2
<b>Number of Digital In/Outputs:</b>	6 / 3
<b>Output Current, Normal Use (I<sub>n</sub>):</b>	595 A
<b>Output Current, Light-Overload Use (I<sub>LD</sub>):</b>	590 A
<b>Output Current, Heavy-Duty Use (I<sub>HD</sub>):</b>	505 A
<b>Output Power, Normal Use (P<sub>n</sub>):</b>	315 kW
<b>Output Power, Light-Overload Use (P<sub>LD</sub>):</b>	315 kW
<b>Output Power, Heavy-Duty Use (P<sub>HD</sub>):</b>	250 kW
<b>Efficiency Level:</b>	IE2
<b>Standby Loss:</b>	108 W
<b>Temperature Rating:</b>	Maximum 40 °C Minimum -15 °C

---

## Categories

---

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

Parts & Services > Drives > Services > Spares and Consumables > Parts

