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 PRODUCT-DETAILS

## ACS580-01-145A-4

LV AC general purpose wall-mounted drive,  
IEC: Pn 75 kW, 145 A, 400 V (ACS580-01-145A-4)




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**General Information**

Global Commercial Alias	ACS580-01-145A-4
Product ID	3AUA0000080504
ABB Type Designation	ACS580-01-145A-4
EAN	6438177305606

Catalog Description	LV AC general purpose wall-mounted drive, IEC: Pn 75 kW, 145 A, 400 V (ACS580-01-145A-4)
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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.

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**Ordering**

Customs Tariff Number	85044086
HS Code	850440-- Electrical transformers, static converters (for example, rectifiers) and inductors.- Static converters
Invoice Description	ACS580-01-145A-4 PN: 75 kW, IN: 145 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	49.5 kg 109.1 lb
Product Net Depth / Length	369 mm 14.528 in
Product Net Height	727 mm 28.622 in
Product Net Width	252 mm 9.921 in
Package Level 1 Depth / Length	870 mm 34.25 in
Package Level 1 Height	578 mm 22.76 in
Package Level 1 Width	325 mm 12.80 in
Package Level 1 Units	1 case

## Certificates and Declarations

Declaration of Conformity - CE	3AXD10001818627
REACH Date	20241203
REACH Declaration	9AKK107992A7060
REACH Information	True - contains substances > 0.1 mass percentage
RoHS Date	20240508
RoHS Information	3AXD10001818627
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

## Technical

Number of Phases	3
Degree of Protection	IP21
Enclosure Type NEMA	Type1
Altitude	1000 m 5 ... 95
Sound dB (A)	67 dB(A)
Multiple Battery Information	Lithium Coin, CR2032, 220 mAh, 3 V, 1 pc, 3 g
Frequency (f)	47.5 ... 63 Hz
Frame Size	R6
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, Normal Use ( $I_n$ )	145 A
Output Current, Light-Overload Use ( $I_{LD}$ )	138 A
Output Current, Heavy-Duty Use ( $I_{HD}$ )	105 A
Output Power, Normal Use ( $P_n$ )	75 kW
Output Power, Light-Overload Use ( $P_{LD}$ )	75 kW
Output Power, Heavy-Duty Use ( $P_{HD}$ )	55 kW
	1960 W
Apparent Power Output	100 kV-A
Efficiency Level	IE2
Standby Loss	36 W
Complete Drive Module Efficiency (IEC61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	505 W	91.5 %	0.5 %
0/50 %	692 W	93.8 %	0.7 %
0/100 %	1238 W	94.4 %	1.2 %
50/25 %	557 W	95.3 %	0.6 %
50/50 %	791 W	96.5 %	0.8 %
50/100 %	1470 W	96.7 %	1.5 %
90/50 %	946 W	97.7 %	0.9 %
90/100 %	1960 W	97.5 %	2.0 %

Temperature Rating	Maximum 40 °C Minimum -15 °C
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### External Classifications and Standards

ETIM 9

EC001857 - Frequency converter =&lt; 1 kV

UNSPSC

39122001

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**Environmental**

SCIP

42f6f782-9c42-4d18-a113-336de5803e6f Finland

WEEE Category

4. Large Equipment (Any External Dimension More Than 50 cm)

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**Categories**

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

