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 PRODUCT-DETAILS

## ACS880-01-07A6-5

LV AC industrial wall-mounted single drive,  
IEC: Pn 4 kW, 7.6 A, 500 V, UL: Pld 5 Hp, 7.6 A,  
480 V (ACS880-01-07A6-5)




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### General Information

<b>Global Commercial Alias:</b>	ACS880-01-07A6-5
<b>Product ID:</b>	3AUA0000090432
<b>ABB Type Designation:</b>	ACS880-01-07A6-5
<b>EAN:</b>	6438177558309
<b>Catalog Description:</b>	LV AC industrial wall-mounted single drive, IEC: Pn 4 kW, 7.6 A, 500 V, UL: Pld 5 Hp, 7.6 A, 480 V (ACS880-01-07A6-5)
<b>Long Description:</b>	The ACS880-01 drives are customized to meet the particular needs of specific industries, such as oil and gas, mining, metals, chemicals, cement, power plants, material handling, pulp and paper, sawmills, marine, water and wastewater, food and beverage, and automotive. They can control a wide range of applications, including cranes, extruders, winches, winders, conveyors, mixers, compressors, centrifuges, test benches, elevators, extruders, pumps and fans. The ACS880-01 comes in one compact package for easy installation and commissioning. The drive can be installed on the wall as standard and in a cabinet as an option. The drive offering includes enclosure classes up to IP55, making it suitable for most environments and installations. ACS880-01 drives have all the essential features built-in. These features include as standard a choke for harmonic filtering as well as options like a brake chopper, EMC filter and communication protocol adapter, functional safety, external output filters and I/O extension modules.

Display Name: ACS880-01-07A6-5

### Ordering

Customs Tariff Number:	85044087
HS Code:	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
Invoice Description:	ACS880-01-07A6-5 PN: 4 kW, IN: 7.6 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:	7.0 kg 15.432 lb
Product Net Depth / Length:	226 mm 8.898 in
Product Net Height:	409 mm 16.102 in
Product Net Width:	155 mm 6.102 in
Package Level 1 Depth / Length:	574 mm 22.598 in
Package Level 1 Height:	281 mm 11.063 in
Package Level 1 Width:	256 mm 10.079 in
Package Level 1 Units:	1 carton

### Technical

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	56 W	86.2 %	0.8 %
0/50 %	65 W	91.2 %	1.0 %
0/100 %	88 W	93.4 %	1.3 %
50/25 %	58 W	92.6 %	0.9 %
50/50 %	70 W	95.3 %	1.1 %
50/100 %	98 W	96.4 %	1.5 %
90/50 %	76 W	97.1 %	1.1 %
90/100 %	110 W	97.7 %	

<b>Number of Phases:</b>	3-phase
<b>Degree of Protection:</b>	IP21
<b>Enclosure Type NEMA:</b>	Type1
<b>Altitude:</b>	4000 m
<b>Operating Humidity (RH<sub>amb</sub>):</b>	5 ... 95
<b>Sound dB (A):</b>	50 dB(A)
<b>Multiple Battery Information:</b>	Lithium Coin, CR2032, 220 mAh, 3 V, 2 pcs, 6 g
<b>Frequency (f):</b>	47.5 ... 63 Hz
<b>Frame Size:</b>	R1
<b>Input Voltage (U<sub>in</sub>):</b>	380 ... 500 V
<b>Mounting Type:</b>	Wall-mounted
<b>Communication Protocol:</b>	CAN DeviceNet EtherNet/IP MODBUS Other Bus Systems PROFIsafe PROFIBUS PROFINET IO
<b>Number of Hardware Interfaces:</b>	Industrial Ethernet 0 Other 4 Parallel 0 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 / 2
<b>Output Current, Normal Use (I<sub>n</sub>):</b>	7.6 A
<b>Output Current, Light-Overload Use (I<sub>LD</sub>):</b>	7.2 A
<b>Output Current, Heavy-Duty Use (I<sub>HD</sub>):</b>	5.2 A
<b>Output Power, Normal Use (P<sub>n</sub>):</b>	4 kW
<b>Output Power, Light-Overload Use (P<sub>LD</sub>):</b>	4.0 kW
<b>Output Power, Heavy-Duty Use (P<sub>HD</sub>):</b>	3.0 kW
<b>Power Consumption (@P<sub>cons</sub>):</b>	110 W
<b>Apparent Power Output:</b>	6.6 kV·A
<b>Efficiency Level:</b>	IE2
<b>Standby Loss:</b>	24 W

Temperature Rating: Maximum 40 °C

## Technical UL

Output Current, Light-Overload Use (UL): 7.6 A

Output Current, Heavy-Duty Use (UL): 5.2 A

Output Power, Light-Overload Use (UL): 5 Hp

Output Power, Heavy-Duty Use (UL): 3.0 Hp

## Certificates and Declarations

Declaration of Conformity - CE: 3AXD10000497831

REACH Date: 20260316

REACH Declaration: 9AKK107992A7060

REACH Information: True - contains substances > 0.1 mass percentage

RoHS Date: 20240508

RoHS Declaration: 3AXD10000497831

RoHS Information: Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

## Environmental

Recyclability Rate of the Product acc. to EN45555: 56.4 %

Product Subcomponent Material Weights: Aluminum 1.43 kg  
Copper 0.30 kg  
Steel 1.46 kg

SCIP: a7cf31c1-ce85-4d83-ba2e-e1b2fdee5b72 Finland

WEEE Category: 5. Small Equipment (No External Dimension More Than 50 cm)

## External Classifications and Standards

ETIM 9: EC001857 - Frequency converter =< 1 kV

ETIM 10: EC001857 - Frequency converter =< 1 kV

UNSPSC: 39122001

## Categories

Products > Drives > Low Voltage AC Drives > Industrial Drives > ACS880 Single Drives > ACS880-01 - Wall-mounted single drive

