



PRODUCT-DETAILS

ACS880-04-880A-5

LV AC industrial single drive module, IEC: Pn 630 kW, 880 A, 500 V, UL: Pld 700 Hp, 857 A, 460 V (ACS880-04-880A-5)



General Information	
Global Commercial Alias:	ACS880-04-880A-5
Product ID:	3AUA0000169453
ABB Type Designation:	ACS880-04-880A-5
EAN:	6438177702269
Catalog Description:	LV AC industrial single drive module, IEC: Pn 630 kW, 880 A, 500 V, UL: Pld 700 Hp, 857 A, 460 V (ACS880-04-880A-5)

Long Description:

The ACS880-04 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 ACS880-04 modules have all the essential features built-in including a choke for harmonic filtering as standard, and options such as a brake chopper, EMC filter and communication protocol adapter, functional safety and I/O extension modules. The all built-in design combined with IP20 protection significantly simplifies engineering. The drive's compact size, flexible cabling directions and versatile mounting possibilities from narrow bookshelf to flat mounting and horizontal mounting make it an ideal fit for almost any enclosure. The control unit with I/O and communication connections can be mounted outside the power module or integrated into it.

Display Name:

ACS880-04-880A-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:	ACS880-04-880A-5 PN: 630 kW, IN: 880 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:	165 kg 363.763 lb
Product Net Depth / Length:	506 mm 19.921 in
Product Net Height:	1741 mm 68.543 in
Product Net Width:	350 mm 13.780 in
Package Level 1 Depth / Length:	2050 mm 80.709 in
Package Level 1 Height:	500 mm 19.69 in
Package Level 1 Width:	650 mm 25.591 in
Package Level 1 Units:	case 1 piece

Technical

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	2959 W	93.2 %	0.4 %
0/50 %	4209 W	95.0 %	0.6 %
0/100 %	7531 W	95.5 %	1.0 %
50/25 %	3180 W	96.4 %	0.4 %
50/50 %	4632 W	97.3 %	0.6 %
50/100 %	8764 W	97.4 %	1.2 %
90/50 %	5369 W	98.2 %	0.7 %
90/100 %	10899 W	98.2 %	1.4 %

Number of Phases:	3-phase
Degree of Protection:	IP20
Enclosure Type NEMA:	Open Type
Altitude:	4000 m
Operating Humidity (RH_{amb}):	5 ... 95 %
Sound dB (A):	71 dB(A)
Multiple Battery Information:	Lithium Coin, CR2032, 220 mAh, 3 V, 2 pcs, 6 g
Frequency (f):	47.5 ... 63 Hz
Frame Size:	R11
Input Voltage (U_{in}):	380 ... 500 V
Mounting Type:	Module
Communication Protocol:	CAN DeviceNet EtherNet/IP MODBUS Other Bus Systems PROFIsafe PROFIBUS PROFINET IO
Number of Hardware Interfaces:	Industrial Ethernet 0 Other 4 Parallel 0 PROFINET 0 RS-232 0 RS-422 0 RS-485 1 Serial TTY 0 USB 1
Includes:	With PC connection With control unit Without optical interface
Analog Inputs:	2
Analog Outputs:	2
Number of Digital In/Outputs:	6 / 2
Output Current, Normal Use (I_n):	880 A
Output Current, Light-Overload Use (I_{LD}):	857 A

Output Current, Heavy-Duty Use (I_{HD}):	697 A
Output Power, Normal Use (P_n):	630 kW
Output Power, Light-Overload Use (P_{LD}):	560 kW
Output Power, Heavy-Duty Use (P_{HD}):	500 kW
Power Consumption (@ P_{cons}):	11206 W
Apparent Power Output:	762 kV·A
Efficiency Level:	IE2
Standby Loss:	713 W
Temperature Rating:	Maximum 40 °C

Technical UL

Output Current, Light-Overload Use (UL):	857 A
Output Current, Heavy-Duty Use (UL):	697 A
Output Power, Light-Overload Use (UL):	700 Hp
Output Power, Heavy-Duty Use (UL):	600 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

SCIP:	d55d9897-364b-417a-a3f9-8b6eee5010b6 Finland
WEEE Category:	4. Large Equipment (Any 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 Drive Modules > ACS880-04 - Single drive module

