PRODUCT-DETAILS

ACS880-04-880A-5

LV AC industrial single drive module, IEC: Pn 630 kW, 880 A (ACS880-04-880A-5)



General Information

Global Commercial Alias:	ACS880-04-880A-5
Product ID:	3ABD00039385-D
ABB Type Designation:	ACS880-04-880A-5
Catalog Description:	LV AC industrial single drive module, IEC: Pn 630 kW, 880 A (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

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Ordering

Customs Tariff Number:	8504409999
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:630KW, IN:880A
Made To Order:	No
Minimum Order Quantity:	1 piece
Order Multiple:	1 piece
Quote Only:	No
Selling Unit of Measure:	piece

Dimensions

Product Net Weight:	199 kg
Product Net Depth / Length:	506 mm
Product Net Height:	1741 mm
Product Net Width:	350 mm
Package Level 1 Depth / Length:	2050 mm
Package Level 1 Height:	690 mm
Package Level 1 Width:	645 mm

Technical

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	3077 W	0.4 %	93.0 %
0 / 50 %	4332 W	0.6 %	94.9 %
0 / 100 %	7668 W	1.0 %	95.4 %
50 / 25 %	3302 W	0.4 %	96.2 %
50 / 50 %	4769 W	0.6 %	97.2 %
50 / 100 %	8947 W	1.2 %	97.4 %
90 / 50 %	5540 W	0.7 %	98.2 %
90 / 100 %	11206 W	1.5 %	98.2 %

Number of Phases:	3-phase
Degree of Protection:	IP20
Enclosure Type NEMA:	Open Type
Frequency (f):	47.5 ... 63 Hz
Input Voltage (U_{in}):	380 … 500 V
Mounting Type:	Module

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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
Apparent Power Output:	762 kV·A
Efficiency Level:	IE2
Standby Loss:	713 W
Temperature Rating:	Maximum 40 °C Minimum -15 °C

Environmental

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

External Classifications and Standards

UNSPSC:	39122001

Categories

Products > Drives > Low Voltage AC Drives > Industrial Drives > ACS880 Drive Modules > ACS880-04 - Single drive module



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