PRODUCT-DETAILS

ACS480-04-018A-4

LV AC general purpose drive module, IEC: Pn 7.5 kW, 17 A, 400 V (ACS480-04-018A-4)

General Information

Global Commercial Alias:	ACS480-04-018A-4
Product ID:	3AXD50000047792
ABB Type Designation:	ACS480-04-018A-4
EAN:	6438177459002
Catalog Description:	LV AC general purpose drive module, IEC: Pn 7.5 kW, 17 A, 400 V (ACS480-04-018A-4)
Long Description:	The ACS480 is a ready-made and capable package for many applications, such as compressors, fan and conveyors, in a variety of light industries, including food and beverage, logistics and warehousing, water and wastewater, and agriculture. It has all essential features built-in as standard, simplifying drive selection, and making additional hardware unnecessary. Straightforward settings menu and assistants enable fast setup, commissioning, use and maintenance. It's a great fit for variable torque and basic speed applications, where you can leverage a compact, cabinet-optimized design for a cost-effective and efficient solution.
Display Name:	ACS480-04-018A-4

Ordering

Customs Tariff Number:	85044087

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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:	ACS480-04-018A-4 PN: 7.5 kW, IN: 17 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:	2.5 kg 5.512 lb
Product Net Depth / Length:	208 mm 8.189 in
Product Net Height:	220 mm 8.661 in
Product Net Width:	172 mm 6.772 in
Package Level 1 Depth / Length:	284 mm 11.181 in
Package Level 1 Height:	273 mm 10.748 in
Package Level 1 Width:	250 mm 9.843 in
Package Level 1 Units:	carton 1 piece

Technical

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	91 W	87.3 %	0.8 %
0/50 %	114 W	91.3 %	1.0 %
0/100 %	193 W	92.6 %	1.6 %
50/25 %	96 W	93.1 %	0.8 %
50/50 %	125 W	95.3 %	1.1 %
50/100 %	220 W	95.8 %	1.9 %
90/50 %	141 W	97.0 %	1.2 %
90/100 %	259 W	97.2 %	2.2 %

Number of Phases:	3-phase
Degree of Protection:	IP20
Enclosure Type NEMA:	Open Type
Sound dB (A):	65.80 dB(A)

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Multiple Battery Information:	Lithium Coin, CR2032, 220 mAh, 3 V, 1 pc, 3 g
Frequency (f):	47.5 ... 63 Hz
Frame Size:	R3
Input Voltage (U_{in}):	380 ... 480 V
Mounting Type:	Module
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 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 inteface
Analog Inputs:	2
Analog Outputs:	2
Number of Digital In/Outputs:	6 / 3
Output Current, Normal Use (I_n):	17 A
Output Current, Light-Overload Use (I_{LD}):	16.2 A
Output Current, Heavy-Duty Use (I_{HD}):	12.6 A
Output Power, Normal Use (P_n):	7.5 kW
Output Power, Light-Overload Use (P_{LD}):	7.5 kW
Output Power, Heavy-Duty Use (P_{HD}):	5.5 kW
Power Consumption (@P_{cons}):	259 W
Apparent Power Output:	12 kV·A
Efficiency Level:	IE2
Standby Loss:	25 W
Temperature Rating:	Maximum 50 °C

Technical UL

Output Current, Light-Overload Use (UL):	14.0 A
Output Current, Heavy-Duty Use (UL):	11.0 A

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Certificates and Declarations

Declaration of Conformity - CE:	3AXD10000594967
REACH Date:	20260316
REACH Declaration:	9AKK107992A7060
REACH Information:	True - contains substances > 0.1 mass percentage
RoHS Date:	20230315
RoHS Declaration:	3AXD10000594967
RoHS Information:	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

Environmental

Recyclability Rate of the Product acc. to EN45555:	39.7 %
Product Subcomponent Material Weights:	Aluminum 0.54 kg Copper 0.00 kg Steel 0.16 kg
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 > General Purpose Drives > ACS480-04 - Drive module

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