

PRODUCT-DETAILS

ACS480-04-12A2-1

LV AC general purpose drive, PN: 3 kW, IN: 12.2 A, UIN: 200 ... 240 V (ACS480-04-12A2-1)



General Information

Global Commercial Alias	ACS480-04-12A2-1
Product ID	3AXD50000246199
ABB Type Designation	ACS480-04-12A2-1
EAN	6438177534402
Catalog Description	LV AC general purpose drive, PN: 3 kW, IN: 12.2 A, UIN: 200 ... 240 V (ACS480-04-12A2-1)

Long Description	<p>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.</p>
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Ordering

Country of Origin	China (CN)
Customs Tariff Number	85044085
Invoice Description	ACS480-04-12A2-1 PN: 3.0 kW, IN: 12.2 A

Made To Order	Yes
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Quote Only	No
Selling Unit of Measure	piece

Container Information

Gross Volume	4.499 dm³
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Dimensions

Product Net Weight	2.2 kg 4.850 lb
Product Net Depth / Length	208 mm 8.189 in
Product Net Height	223 mm 8.780 in
Product Net Width	97 mm 3.819 in
Package Level 1 Depth / Length	282 mm 11.102 in
Package Level 1 Height	273 mm 10.748 in
Package Level 1 Width	174 mm 6.850 in

Technical

Number of Phases	1
Degree of Protection	IP20
Enclosure Type NEMA	Open Type
Sound dB (A)	58.80 dB(A)
Multiple Battery Information	Lithium Coin, CR2032, 220 mAh, 3 V, 1 pc, 3 g
Frequency (f)	47.5 ... 63 Hz
Frame Size	R2
Input Voltage (U _{in})	200 ... 240 V
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	Control unit PC connection
Analog Inputs	2
Analog Outputs	2
Number of Digital In/Outputs	6 / 3
Output Current, Heavy-Duty Use (I_{HD})	9.8 A
Output Current, Light-Overload Use (I_{LD})	11.6 A
Output Current, Normal Use (I_n)	12.2 A
Output Power, Heavy-Duty Use (P_{HD})	2.2 kW
Output Power, Light-Overload Use (P_{LD})	3.0 kW
Output Power, Normal Use (P_n)	3 kW
Apparent Power Output	4.9 kV·A
Efficiency Level	IE2
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	
	0/25 %
	0/50 %
	0/100 %
	50/25 %
	50/50 %
	50/100 %
	90/50 %
	90/100 %
Temperature Rating	Maximum 50 °C

Additional Information

Product Main Type	ACS480-04
Product Name	Frequency converter

Classifications

ETIM 8	EC001857 - Frequency converter =< 1 kV
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ETIM 9

EC001857 - Frequency converter =< 1 kV

Environmental

WEEE Category

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

Categories

Drives → Low Voltage AC Drives → General Purpose Drives → ACS480-04 - Drive module

