

PRODUCT-DETAILS

ACS480-04-04A1-4

LV AC general purpose drive, PN: 1.5 kW, IN: 4 A, UIN: 380 ... 480 V (ACS480-04-04A1-4)



General Information

Global Commercial Alias	ACS480-04-04A1-4
Product ID	3AXD50000047767
ABB Type Designation	ACS480-04-04A1-4
EAN	6438177458951
Catalog Description	LV AC general purpose drive, PN: 1.5 kW, IN: 4 A, UIN: 380 ... 480 V (ACS480-04-04A1-4)
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>

Ordering

Country of Origin	China (CN) Finland (FI)
Customs Tariff Number	85044085
Invoice Description	ACS480-04-04A1-4 PN: 1.5 kW, IN: 4.0 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	3.386 dm ³
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Dimensions

Product Net Weight	1.7 kg 3.748 lb
Product Net Depth / Length	208 mm 8.189 in
Product Net Height	223 mm 8.780 in
Product Net Width	73 mm 2.874 in
Package Level 1 Depth / Length	282 mm 11.102 in
Package Level 1 Height	273 mm 10.748 in
Package Level 1 Width	148 mm 5.827 in
Package Level 1 Units	1 carton

Technical

Number of Phases	3
Degree of Protection	IP20
Enclosure Type NEMA	Open Type
Sound dB (A)	63.10 dB(A)
Multiple Battery Information	Lithium Coin, CR2032, 220 mAh, 3 V, 1 pc, 3 g
Frequency (f)	47 ... 63 Hz
Frame Size	R1
Input Voltage (U_{in})	380 ... 480 V
Mounting Type	Module for cabinet building
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 control unit
	Without optical interface With PC connection
Analog Inputs	2
Analog Outputs	2
Number of Digital In/Outputs	6 / 3
Output Current, Heavy-Duty Use (I_{HD})	3.3 A
Output Current, Light-Overload Use (I_{LD})	3.8 A
Output Current, Normal Use (I_n)	4 A
Output Power, Heavy-Duty Use (P_{HD})	1.1 kW
Output Power, Light-Overload Use (P_{LD})	1.5 kW
Output Power, Normal Use (P_n)	1.5 kW
Apparent Power Output	2.8 kV·A
Efficiency Level	IE2
Standby Loss	15 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	34 W	81.0 %	1.2 %
0/50 %	39 W	87.9 %	1.4 %
0/100 %	50 W	91.4 %	1.8 %
50/25 %	36 W	89.5 %	1.3 %
50/50 %	41 W	93.5 %	1.5 %
50/100 %	55 W	95.2 %	2.0 %
90/50 %	44 W	96.0 %	1.6 %
90/100 %	62 W	96.9 %	2.2 %

Temperature Rating Maximum 50 °C

Additional Information

Product Main Type	ACS480-04
Product Name	Frequency converter

Classifications

ETIM 7	EC001857 - Frequency converter =< 1 kV
UNSPSC	39122001

Environmental

SCIP

4b7f0af1-4313-4811-b990-f45b6c1653c8 Finland (FI)

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

