

PRODUCT-DETAILS

ACS480-04-09A5-4

LV AC general purpose drive, PN: 4 kW, IN: 9.4 A, UIN: 380 ... 480 V (ACS480-04-09A5-4)



General Information

Global Commercial Alias	ACS480-04-09A5-4
Product ID	3AXD50000047770
ABB Type Designation	ACS480-04-09A5-4
EAN	6438177458982
Catalog Description	LV AC general purpose drive, PN: 4 kW, IN: 9.4 A, UIN: 380 ... 480 V (ACS480-04-09A5-4)
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	ACS480-04-09A5-4 PN: 4.0 kW, IN: 9.4 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 dm³
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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)	47.5 ... 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	Industrial Ethernet 0

Interfaces

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})	7.2 A
Output Current, Light-Overload Use (I_{LD})	8.9 A
Output Current, Normal Use (I_n)	9.4 A
Output Power, Heavy-Duty Use (P_{HD})	3.0 kW
Output Power, Light-Overload Use (P_{LD})	4.0 kW
Output Power, Normal Use (P_n)	4 kW
Apparent Power Output	6.5 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 %	62 W	84.8 %	0.9 %
0/50 %	73 W	90.1 %	1.1 %
0/100 %	105 W	92.2 %	1.6 %
50/25 %	64 W	91.8 %	1.0 %
50/50 %	80 W	94.6 %	1.2 %
50/100 %	119 W	95.6 %	1.8 %
90/50 %	90 W	96.5 %	1.4 %
90/100 %	140 W	97.1 %	2.2 %

Temperature Rating	Maximum 50 °C
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Additional Information

Product Main Type	ACS480-04
Product Name	Frequency converter

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

