

PRODUCT-DETAILS

ACS480-04-018A-4

LV AC general purpose drive, PN: 7.5 kW, IN: 17 A, UIN: 380 ... 480 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, PN: 7.5 kW, IN: 17 A, UIN: 380 ... 480 V (ACS480-04-018A-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	ACS480-04-018A-4 PN: 7.5 kW, IN: 17.0 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	7.871 dm ³
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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	1 carton

Technical

Number of Phases	3
Degree of Protection	IP20
Enclosure Type NEMA	Open Type
Sound dB (A)	65.80 dB(A)
Multiple Battery Information	Lithium Coin, CR2032, 220 mAh, 3 V, 1 pc, 3 g
Frequency (f)	47 ... 63 Hz
Frame Size	R3
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})	12.6 A
Output Current, Light-Overload Use (I_{LD})	16.2 A
Output Current, Normal Use (I_n)	17 A
Output Power, Heavy-Duty Use (P_{HD})	5.5 kW
Output Power, Light-Overload Use (P_{LD})	7.5 kW
Output Power, Normal Use (P_n)	7.5 kW
Apparent Power Output	12 kV·A
Efficiency Level	IE2
Standby Loss	25 W
Complete Drive Module Efficiency (61800-9-2)	

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 %

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

d47e4459-83a3-4590-a72e-d9674f7109ad 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

