

PRODUCT-DETAILS

ACS480-04-12A7-4

LV AC general purpose drive, PN: 5.5 kW, IN: 12.6 A, UIN: 380 ... 480 V (ACS480-04-12A7-4)



General Information

Global Commercial Alias	ACS480-04-12A7-4
Product ID	3AXD50000047791
ABB Type Designation	ACS480-04-12A7-4
EAN	6438177458999
Catalog Description	LV AC general purpose drive, PN: 5.5 kW, IN: 12.6 A, UIN: 380 ... 480 V (ACS480-04-12A7-4)

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.

Ordering

Country of Origin	China (CN) Finland (FI)
Customs Tariff Number	85044085
Invoice Description	ACS480-04-12A7-4 PN: 5.5 kW, IN: 12.6 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 dm ³
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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
Package Level 1 Units	1 carton

Technical

Number of Phases	3
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 ... 63 Hz
Frame Size	R2
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})	9.4 A
Output Current, Light-Overload Use (I_{LD})	12.0 A
Output Current, Normal Use (I_n)	12.6 A
Output Power, Heavy-Duty Use (P_{HD})	4.0 kW
Output Power, Light-Overload Use (P_{LD})	5.5 kW
Output Power, Normal Use (P_n)	5.5 kW
Apparent Power Output	8.7 kV·A
Efficiency Level	IE2
Standby Loss	16 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	64 W	87.8 %	0.7 %
0/50 %	79 W	91.9 %	0.9 %
0/100 %	129 W	93.3 %	1.5 %
50/25 %	66 W	93.6 %	0.8 %
50/50 %	85 W	95.6 %	1.0 %
50/100 %	144 W	96.3 %	1.7 %
90/50 %	94 W	97.3 %	1.1 %
90/100 %	165 W	97.6 %	1.9 %

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	7c31b240-4496-4458-8a39-0107a7e7ffcc 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

