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 PRODUCT-DETAILS

## ACS480-04-02A7-4

LV AC general purpose drive module, IEC: Pn  
0.75 kW, 2.6 A, 400 V (ACS480-04-02A7-4)




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**General Information**

Global Commercial Alias	ACS480-04-02A7-4
Product ID	3AXD50000047765
ABB Type Designation	ACS480-04-02A7-4
EAN	6438177458937
Catalog Description	LV AC general purpose drive module, IEC: Pn 0.75 kW, 2.6 A, 400 V (ACS480-04-02A7-4)
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.

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**Ordering**

Customs Tariff Number	85044085
HS Code	850440 -- ELECTRICAL MACHINERY AND EQUIPMENT AND PARTS THEREOF; SOUND RECORDERS AND REPRODUCERS, TELEVISION IMAGE AND SOUND RECORDERS AND REPRODUCERS, AND PARTS AND

ACCESSORIES OF SUCH ARTICLES;Electrical transformers, static converters (for example, rectifiers) and inductors;Static converters

Invoice Description	ACS480-04-02A7-4 PN: 0.75 kW, IN: 2.6 A
Made To Order	Yes
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Quote Only	No
Selling Unit of Measure	piece

### 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

### Certificates and Declarations

Declaration of Conformity - CE	3AXD10000594967
REACH Date	20250320
REACH Declaration	9AKK107992A7060
REACH Information	True - contains substances > 0.1 mass percentage
RoHS Date	20230315
RoHS Declaration	3AXD10000594967
RoHS Information	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

### Technical

Number of Phases	3-phases
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 <sub>in</sub> )	380 ... 480 V
Mounting Type	Module
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, Normal Use ( $I_n$ )	2.6 A
Output Current, Light-Overload Use ( $I_{LD}$ )	2.5 A
Output Current, Heavy-Duty Use ( $I_{HD}$ )	1.8 A
Output Power, Normal Use ( $P_n$ )	0.75 kW
Output Power, Light-Overload Use ( $P_{LD}$ )	0.75 kW
Output Power, Heavy-Duty Use ( $P_{HD}$ )	0.55 kW
	44 W
Apparent Power Output	1.8 kV·A
Efficiency Level	IE2
Standby Loss	15 W
Complete Drive Module Efficiency (IEC61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	27 W	77.7 %	1.5 %
0/50 %	30 W	86.0 %	1.7 %
0/100 %	35 W	90.6 %	2.0 %
50/25 %	28 W	87.5 %	1.6 %
50/50 %	32 W	92.3 %	1.8 %
50/100 %	39 W	94.8 %	2.2 %
90/50 %	34 W	95.4 %	1.9 %
90/100 %	44 W	96.7 %	2.5 %

Temperature Rating Maximum 50 °C

### Technical UL

Output Current, Heavy-Duty Use (UL)	1.6 A
Output Current, Light-Overload Use (UL)	2.1 A

Output Current, Normal  
Use (UL)

2.1 A

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### External Classifications and Standards

ETIM 9	EC001857 - Frequency converter =< 1 kV
UNSPSC	39122001

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### Environmental

SCIP	4b7f0af1-4313-4811-b990-f45b6c1653c8 Finland
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

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### Categories

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

