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 PRODUCT-DETAILS

# ACS480-04-02A4-2

## LV AC general purpose drive module, IEC: Pn 0.37 kW, 2.4 A, 200 V (ACS480-04-02A4-2)




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**General Information**

|                         |                  |
|-------------------------|------------------|
| Global Commercial Alias | ACS480-04-02A4-2 |
| Product ID              | 3AXD50000212903  |
| ABB Type Designation    | ACS480-04-02A4-2 |
| EAN                     | 6438177512868    |

|                     |  |
|---------------------|--|
| Catalog Description | LV AC general purpose drive module, IEC: Pn 0.37 kW, 2.4 A, 200 V (ACS480-04-02A4-2) |
|---------------------|--|

|                  |   |
|------------------|---|
| 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> |
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**Ordering**

|                       |   |
|-----------------------|---|
| Country of Origin     | China (CN)  |
| Customs Tariff Number | 85044085  |
| HS Code               | 850440-- Electrical transformers, static converters (for example, rectifiers) and inductors.- Static converters |
| Invoice Description   | ACS480-04-02A4-2 PN: 0.37 kW, IN: 2.4 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 dm <sup>3</sup> |
|--------------|-----------------------|

## Dimensions

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

## 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 <sub>in</sub> ) | 200 ... 240 V   |
| Mounting Type                    | Module  |
| Communication Protocol           | CAN<br>DeviceNet<br>EtherNet/IP<br>MODBUS<br>Other Bus Systems<br>PROFIBUS<br>PROFINET IO<br>TCP/IP                       |
| Number of Hardware Interfaces    | Industrial Ethernet 0<br>Other 2<br>Parallel 0<br>PROFINET 0<br>RS-232 0<br>RS-422 0<br>RS-485 1<br>Serial TTY 0<br>USB 1 |
| Includes                         | Control unit<br>PC connection   |
| Analog Inputs                    | 2   |
| Analog Outputs                   | 2   |
| Number of Digital In/Outputs     | 6 / 3   |
| Output Current, Heavy-           | 1.8 A   |

|   |          |
|---|----------|
| Duty Use ( $I_{HD}$ )                           |          |
| Output Current, Light-Overload Use ( $I_{LD}$ ) | 2.3 A    |
| Output Current, Normal Use ( $I_n$ )            | 2.4 A    |
| Output Power, Heavy-Duty Use ( $P_{HD}$ )       | 0.25 kW  |
| Output Power, Light-Overload Use ( $P_{LD}$ )   | 0.37 kW  |
| Output Power, Normal Use ( $P_n$ )              | 0.37 kW  |
| Apparent Power Output                           | 1.7 kV·A |
| Efficiency Level                                | IE2      |
| Complete Drive Module Efficiency (61800-9-2)    |          |

| Operating Point     |          |
|---------------------|----------|
| Frequency / Current |          |
|                     | 0/25 %   |
|                     | 0/50 %   |
|                     | 0/100 %  |
|                     | 50/25 %  |
|                     | 50/50 %  |
|                     | 50/100 % |
|                     | 90/50 %  |
|                     | 90/100 % |

Temperature Rating Maximum 50 °C

### Classifications

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

### Environmental

WEEE Category 5. Small Equipment (No External Dimension More Than 50 cm)

### Additional Information

|                   |                     |
|-------------------|---------------------|
| Product Main Type | ACS480-04           |
| Product Name      | Frequency converter |

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## Categories

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

