



PRODUCT-DETAILS

ACS580-01-115A-2+B056

LV AC general purpose wall-mounted drive,  
IEC: Pn 30 kW, 115 A, 230 V (ACS580-01-115A-  
2+B056)



| General Information      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Global Commercial Alias: | ACS580-01-115A-2+B056                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Product ID:              | 3AXD50000417599                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| ABB Type Designation:    | ACS580-01-115A-2+B056                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| EAN:                     | 6438177591412                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Catalog Description:     | LV AC general purpose wall-mounted drive, IEC: Pn 30 kW, 115 A, 230 V (ACS580-01-115A-2+B056)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Long Description:        | The ACS580-01 is plug-in ready to control your compressors, conveyors, pumps, extruders, centrifuges, mixers, fans and many other variable and constant torque applications, in a variety of light industries, including food and beverage, plastic, textile, material handling, and agriculture. All essential features are built-in as standard, simplifying drive selection, and making additional hardware unnecessary. Versatile and straightforward settings menu and assistants enable fast setup, commissioning, use and maintenance, while rugged and robust design makes it a good fit for various environments. With the ACS580 drives you can easily take full control of your processes to comprehensively manage your plant. The wall-mounted ACS580-01 comes in IP21 enclosure as standard. Also, IP55 and flange mounting units are available. |
| Display Name:            | ACS580-01-115A-2+B056                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

## Ordering

|                                 |                                                                                                                                                                                                                                                                                                        |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Customs Tariff Number:</b>   | 850440                                                                                                                                                                                                                                                                                                 |
| <b>HS Code:</b>                 | 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 |
| <b>Invoice Description:</b>     | ACS580-01-115A-2+B056 PN: 30 kW, IN: 115 A                                                                                                                                                                                                                                                             |
| <b>Made To Order:</b>           | Yes                                                                                                                                                                                                                                                                                                    |
| <b>Minimum Order Quantity:</b>  | 1 piece                                                                                                                                                                                                                                                                                                |
| <b>Order Multiple:</b>          | 1 piece                                                                                                                                                                                                                                                                                                |
| <b>Quote Only:</b>              | No                                                                                                                                                                                                                                                                                                     |
| <b>Selling Unit of Measure:</b> | piece                                                                                                                                                                                                                                                                                                  |

## Dimensions

|                                        |                        |
|----------------------------------------|------------------------|
| <b>Product Net Weight:</b>             | 29 kg<br>63.934 lb     |
| <b>Product Net Depth / Length:</b>     | 320 mm<br>12.598 in    |
| <b>Product Net Height:</b>             | 732.00 mm<br>28.819 in |
| <b>Product Net Width:</b>              | 203.00 mm<br>7.992 in  |
| <b>Package Level 1 Depth / Length:</b> | 835.00 mm<br>32.874 in |
| <b>Package Level 1 Height:</b>         | 521.00 mm<br>20.512 in |
| <b>Package Level 1 Width:</b>          | 295.00 mm<br>11.614 in |
| <b>Package Level 1 Units:</b>          | 1 case                 |

## Technical

| Operating Point<br>Frequency / Current | Absolute<br>Loss | Efficiency | Relative<br>Loss |
|----------------------------------------|------------------|------------|------------------|
| 0/25 %                                 | 321 W            | 88.3 %     | 0.7 %            |
| 0/50 %                                 | 437 W            | 91.5 %     | 1.0 %            |
| 0/100 %                                | 814 W            | 92.0 %     | 1.8 %            |
| 50/25 %                                | 352 W            | 93.5 %     | 0.8 %            |
| 50/50 %                                | 496 W            | 95.2 %     | 1.1 %            |
| 50/100 %                               | 977 W            | 95.2 %     | 2.1 %            |
| 90/50 %                                | 590 W            | 96.8 %     | 1.3 %            |
| 90/100 %                               | 1285 W           | 96.5 %     | 2.8 %            |

|                                                             |                                                                                                                           |
|-------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>Number of Phases:</b>                                    | 3-phase                                                                                                                   |
| <b>Degree of Protection:</b>                                | IP55                                                                                                                      |
| <b>Enclosure Type NEMA:</b>                                 | Type12                                                                                                                    |
| <b>Operating Humidity (RH<sub>amb</sub>):</b>               | 95                                                                                                                        |
| <b>Multiple Battery Information:</b>                        | Lithium Coin, CR2032, 220 mAh, 3 V, 1 pc, 3 g                                                                             |
| <b>Frequency (f):</b>                                       | 47.5 ... 63 Hz                                                                                                            |
| <b>Frame Size:</b>                                          | R5                                                                                                                        |
| <b>Input Voltage (U<sub>in</sub>):</b>                      | 200 ... 240 V                                                                                                             |
| <b>Mounting Type:</b>                                       | Wall-mounted                                                                                                              |
| <b>Communication Protocol:</b>                              | CAN<br>DeviceNet<br>EtherNet/IP<br>MODBUS<br>Other Bus Systems<br>PROFIBUS<br>PROFINET IO<br>TCP/IP                       |
| <b>Number of Hardware Interfaces:</b>                       | Industrial Ethernet 0<br>Other 2<br>Parallel 2<br>PROFINET 0<br>RS-232 0<br>RS-422 0<br>RS-485 1<br>Serial TTY 0<br>USB 1 |
| <b>Includes:</b>                                            | With control unit<br>Without optical interface<br>With PC connection                                                      |
| <b>Analog Inputs:</b>                                       | 2                                                                                                                         |
| <b>Analog Outputs:</b>                                      | 2                                                                                                                         |
| <b>Number of Digital In/Outputs:</b>                        | 6 / 3                                                                                                                     |
| <b>Output Current, Normal Use (I<sub>n</sub>):</b>          | 115 A                                                                                                                     |
| <b>Output Current, Light-Overload Use (I<sub>LD</sub>):</b> | 114 A                                                                                                                     |
| <b>Output Current, Heavy-Duty Use (I<sub>HD</sub>):</b>     | 88 A                                                                                                                      |
| <b>Output Power, Normal Use (P<sub>n</sub>):</b>            | 30 kW                                                                                                                     |
| <b>Output Power, Light-Overload Use (P<sub>LD</sub>):</b>   | 30 kW                                                                                                                     |
| <b>Output Power, Heavy-Duty Use (P<sub>HD</sub>):</b>       | 22.0 kW                                                                                                                   |
| <b>Power Consumption (@P<sub>cons</sub>):</b>               | 1285 W                                                                                                                    |
| <b>Apparent Power Output:</b>                               | 46 kV·A                                                                                                                   |
| <b>Efficiency Level:</b>                                    | IE2                                                                                                                       |
| <b>Standby Loss:</b>                                        | 19 W                                                                                                                      |
| <b>Temperature Rating:</b>                                  | Maximum 40 °C<br>Minimum -15 °C                                                                                           |

Certificates and Declarations

|                                 |                                                                        |
|---------------------------------|------------------------------------------------------------------------|
| Declaration of Conformity - CE: | 3AXD10001818627                                                        |
| REACH Date:                     | 20250905                                                               |
| REACH Declaration:              | 9AKK107992A7060                                                        |
| REACH Information:              | True - contains substances > 0.1 mass percentage                       |
| RoHS Date:                      | 20240508                                                               |
| RoHS Declaration:               | 3AXD10001818627                                                        |
| RoHS Information:               | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |

Environmental

|                |                                                             |
|----------------|-------------------------------------------------------------|
| SCIP:          | 567c5ced-c536-4a8b-933d-885c159a15d8 Finland                |
| WEEE Category: | 4. Large Equipment (Any External Dimension More Than 50 cm) |

External Classifications and Standards

|          |                                        |
|----------|----------------------------------------|
| ETIM 9:  | EC001857 - Frequency converter =< 1 kV |
| ETIM 10: | EC001857 - Frequency converter =< 1 kV |
| UNSPSC:  | 39122001                               |

Categories

Products > Drives > Low Voltage AC Drives > General Purpose Drives > ACS580-01 - Wall-mounted drive

