

## PRODUCT-DETAILS

# ACS580-01-156A-4+B056

LV AC general purpose wall-mounted drive, UL:  
Pld 125 Hp, 156 A (ACS580-01-156A-4+B056)



### General Information

|                         |   |
|-------------------------|---|
| Global Commercial Alias | ACS580-01-156A-4+B056   |
| Product ID              | 3AUA0000204844  |
| ABB Type Designation    | ACS580-01-156A-4+B056   |
| EAN                     | 6438177451037   |
| Catalog Description     | LV AC general purpose wall-mounted drive, UL: Pld 125 Hp, 156 A (ACS580-01-156A-4+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. |
|------------------|--|

### Ordering

|                       |   |
|-----------------------|---|
| Country of Origin     | United States (US)                          |
| Customs Tariff Number | 85044080                                    |
| Invoice Description   | ACS580-01-156A-4+B056, PLd 125HP, I2LD 156A |
| Made To Order         | No  |

|                         |         |
|-------------------------|---------|
| Minimum Order Quantity  | 1 piece |
| Order Multiple          | 1 piece |
| Quote Only              | No      |
| Selling Unit of Measure | piece   |

Dimensions

|                            |          |
|----------------------------|----------|
| Product Net Weight         | 124 lb   |
| Product Net Depth / Length | 16.3 in  |
| Product Net Height         | 40.86 in |
| Product Net Width          | 12.76 in |
| Package Level 1 Units      | 1 carton |

Technical

|                                  |               |
|----------------------------------|---------------|
| Number of Phases                 | 3             |
| Degree of Protection             | IP55          |
| Enclosure Type NEMA              | Type12        |
| Frequency (f)                    | 47 ... 63 Hz  |
| Frame Size                       | R7            |
| Input Voltage (U <sub>in</sub> ) | 380 ... 500 V |
| Mounting Type                    | Wall-mounting |
| Apparent Power Output            | 130 kV·A      |
| Efficiency Level                 | IE2           |
| Standby Loss                     | 45 W          |

Complete Drive Module  
Efficiency (61800-9-2)

| Operating Point<br>Frequency / Current | Absolute<br>Loss | Relative<br>Loss | Efficiency |
|--|------------------|------------------|------------|
| 0 / 25 %                               | 537 W            | 0.4 %            | 92.9 %     |
| 0 / 50 %                               | 713 W            | 0.5 %            | 95.0 %     |
| 0 / 100 %                              | 1201 W           | 0.9 %            | 95.7 %     |
| 50 / 25 %                              | 585 W            | 0.5 %            | 96.2 %     |
| 50 / 50 %                              | 807 W            | 0.6 %            | 97.2 %     |
| 50 / 100 %                             | 1402 W           | 1.1 %            | 97.5 %     |
| 90 / 50 %                              | 941 W            | 0.7 %            | 98.2 %     |
| 90 / 100 %                             | 1815 W           | 1.4 %            | 98.2 %     |

|                    |               |
|--------------------|---------------|
| Temperature Rating | Maximum 40 °C |
|--------------------|---------------|

Additional Information

|              |          |
|--------------|----------|
| Product Name | AC Drive |
|--------------|----------|

Classifications

|        |          |
|--------|----------|
| UNSPSC | 39122001 |
|--------|----------|

| Environmental |   |
|---------------|---|
| WEEE Category | 4. Large Equipment (Any External Dimension More Than 50 cm) |

| Categories   |
|--|
| Drives → Low Voltage AC Drives → General Purpose Drives → ACS580-01 - Wall-mounted drive |

