

## PRODUCT-DETAILS

# ACH580-01-05A7-4+B056

ACH580-01-05A7-4+B056 PN: 2.2 kW, IN: 5.6 A



## General Information

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Global Commercial Alias | ACH580-01-05A7-4+B056                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Product ID              | 3AXD50000039001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| ABB Type Designation    | ACH580-01-05A7-4+B056                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| EAN                     | 6438177459569                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Catalog Description     | ACH580-01-05A7-4+B056 PN: 2.2 kW, IN: 5.6 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Long Description        | <p>ACH580 HVAC drive offering has all key features built-in to control fans, pumps and compressors, and more complex equipment like air-handling units and chillers, ensuring smooth, energy-efficient operation of your HVAC systems in normal and mission-critical situations. The built-in features significantly reduce installation time and the intuitive control panel with an HVAC-specific primary settings menu and help assistants makes startup, commissioning and operation easy. The optional Bluetooth® capability enables the commissioning and monitoring of the drive from a distance. The ACH580-01 comes in IP21 enclosure and can be installed on the wall as standard. Also, IP55 and flange mounting units are available.</p> |

## Complete Drive Module Efficiency (61800-9-2)

| Operating Point<br>Frequency / Current | Absolute<br>Loss | Relative<br>Loss | Efficiency |
|----------------------------------------|------------------|------------------|------------|
| 0 / 25 %                               | 41 W             | 1.1 %            | 83.3 %     |
| 0 / 50 %                               | 47 W             | 1.2 %            | 89.4 %     |
| 0 / 100 %                              | 62 W             | 1.6 %            | 92.3 %     |
| 50 / 25 %                              | 43 W             | 1.1 %            | 90.8 %     |
| 50 / 50 %                              | 51 W             | 1.3 %            | 94.2 %     |
| 50 / 100 %                             | 70 W             | 1.8 %            | 95.6 %     |
| 90 / 50 %                              | 56 W             | 1.5 %            | 96.3 %     |
| 90 / 100 %                             | 85 W             | 2.2 %            | 97.0 %     |

## Ordering

|                              |                |
|------------------------------|----------------|
| Customs Tariff Number        | 85044084       |
| EAN                          | 6438177459569  |
| Replaced Product ID<br>(OLD) | 3AUA0000083589 |
| Quote Only                   | No             |
| Made To Order                | Yes            |
| Selling Unit of Measure      | piece          |
| Minimum Order Quantity       | 1 piece        |
| Order Multiple               | 1 piece        |

## Container Information

|              |                  |
|--------------|------------------|
| Gross Volume | 0 m <sup>3</sup> |
|--------------|------------------|

## Dimensions

|                    |        |
|--------------------|--------|
| Product Net Height | 403 mm |
| Product Net Length | 233 mm |
| Product Net Weight | 4.8 kg |
| Product Net Width  | 128 mm |

## Technical

|                                  |                                                                                                                      |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Frequency (f)                    | 50/60 Hz                                                                                                             |
| Input Voltage (U <sub>in</sub> ) | 380 ... 480 V                                                                                                        |
| Number of Phases                 | 3                                                                                                                    |
| Communication Protocol           | BACNET<br>MODBUS<br>LON<br>DeviceNet<br>PROFIBUS<br>CAN<br>EtherNet/IP<br>PROFINET IO<br>TCP/IP<br>Other Bus Systems |

## Additional Information

|                   |                     |
|-------------------|---------------------|
| Product Main Type | ACH580-01           |
| Product Name      | Frequency converter |

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## Classifications

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ETIM 7

EC001857 - Frequency converter =< 1 kV

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## Categories

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Drives → Low Voltage AC Drives → Industry-Specific Drives → Drives for HVAC → ACH580-01 - Wall-mounted drive for HVAC

