

PRODUCT-DETAILS

**3AUA0000003376**

**ACS550-01-012A-2; FREQUENCY CONVERTER**



## General Information

|                      |                                       |
|----------------------|---------------------------------------|
| Product ID           | 3AUA0000003376                        |
| ABB Type Designation | ACS550-01-012A-2                      |
| EAN                  | 6410038103101                         |
| Catalog Description  | ACS550-01-012A-2; FREQUENCY CONVERTER |
| Long Description     | ACS550-01-012A-2                      |

## Ordering

|                         |                                                      |
|-------------------------|------------------------------------------------------|
| Country of Origin       | Finland (FI)<br>United States (US)<br>Singapore (SG) |
| Customs Tariff Number   | 85044085                                             |
| Invoice Description     | FREQUENCY CONVERTER                                  |
| Made To Order           | No                                                   |
| Minimum Order Quantity  | 1 piece                                              |
| Order Multiple          | 1 piece                                              |
| Quote Only              | No                                                   |
| Selling Unit of Measure | piece                                                |

## Container Information

|              |          |
|--------------|----------|
| Gross Volume | 0.044 m³ |
|--------------|----------|

| Dimensions                     |         |
|--------------------------------|---------|
| Product Net Weight             | 6.5 kg  |
| Product Net Depth / Length     | 0 mm    |
| Product Net Height             | 0 mm    |
| Product Net Width              | 0 mm    |
| Package Level 1 Depth / Length | 0 mm    |
| Package Level 1 Height         | 0 mm    |
| Package Level 1 Width          | 0 mm    |
| Package Level 1 Units          | 1 piece |

| Technical                                         |                                                                                                                           |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Number of Phases                                  | 3                                                                                                                         |
| Degree of Protection                              | IP21                                                                                                                      |
| Enclosure Type NEMA                               | Type1                                                                                                                     |
| Frequency (f)                                     | 50/60 Hz                                                                                                                  |
| Frame Size                                        | R1                                                                                                                        |
| Input Voltage (U <sub>in</sub> )                  | 208 ... 240 V                                                                                                             |
| Mounting Type                                     | Wall Mounting                                                                                                             |
| Communication Protocol                            | MODBUS<br>LON<br>DeviceNet<br>PROFIBUS<br>CAN<br>EtherNet/IP<br>PROFINET IO<br>TCP/IP<br>Other Bus Systems                |
| Number of Hardware Interfaces                     | Industrial Ethernet 0<br>PROFINET 0<br>RS-232 1<br>RS-422 0<br>RS-485 1<br>Serial TTY 0<br>USB 0<br>Parallel 0<br>Other 5 |
| Includes                                          | With control unit<br>Without optical interface<br>With PC connection                                                      |
| Analog Inputs                                     | 2                                                                                                                         |
| Analog Outputs                                    | 2                                                                                                                         |
| Number of Digital In/Outputs                      | 6/0                                                                                                                       |
| Output Current, Heavy-Duty Use (I <sub>HD</sub> ) | 7.5 A                                                                                                                     |
| Output Current, Normal Use (I <sub>n</sub> )      | 11.8 A                                                                                                                    |
| Output Power, Heavy-Duty Use (P <sub>HD</sub> )   | 1.5 kW<br>2.0 Hp                                                                                                          |
| Output Power, Light-                              | 2.2 kW                                                                                                                    |

|                           |          |
|---------------------------|----------|
| Overload Use ( $P_{LD}$ ) |          |
| Output Power, Normal      | 2.2 kW   |
| Use ( $P_n$ )             |          |
| Apparent Power Output     | 4.7 kV·A |
| Efficiency Level          | IE2      |
| Standby Loss              | 11 W     |

Complete Drive Module  
Efficiency (61800-9-2)

| Operating Point<br>Frequency / Current | Absolute<br>Loss | Relative<br>Loss | Efficiency |
|----------------------------------------|------------------|------------------|------------|
| 0 / 25 %                               | 61 W             | 1.3 %            | 80.3 %     |
| 0 / 50 %                               | 75 W             | 1.6 %            | 86.5 %     |
| 0 / 100 %                              | 110 W            | 2.3 %            | 89.0 %     |
| 50 / 25 %                              | 64 W             | 1.4 %            | 89.0 %     |
| 50 / 50 %                              | 83 W             | 1.8 %            | 92.4 %     |
| 50 / 100 %                             | 127 W            | 2.7 %            | 93.6 %     |
| 90 / 50 %                              | 95 W             | 2.0 %            | 95.0 %     |
| 90 / 100 %                             | 155 W            | 3.3 %            | 95.6 %     |

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

Classifications

|        |                                        |
|--------|----------------------------------------|
| ETIM 8 | EC001857 - Frequency converter =< 1 kV |
| UNSPSC | 39122001                               |

Environmental

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

Additional Information

|                   |                     |
|-------------------|---------------------|
| Product Main Type | ACS550              |
| Product Name      | FREQUENCY CONVERTER |

Categories

Drives → Low Voltage AC Drives → Legacy AC Drives → ACS550-01 - Wall-mounted drive  
Drives → Services → Spares and Consumables → Parts

