PRODUCT-DETAILS

# ACS310-03E-03A9-2

## LV AC drive module for pumps and fans, IEC: Pn 0.55 kW, 3.9 A (ACS310-03E-03A9-2)

### General Information

| | |
|---|---|
| Global Commercial Alias | ACS310-03E-03A9-2 |
| Product ID | 3AUA0000039163 |
| ABB Type Designation | ACS310-03E-03A9-2 |
| EAN | 6410038785611 |
| Catalog Description | LV AC drive module for pumps and fans, IEC: Pn 0.55 kW, 3.9 A (ACS310-03E-03A9-2) |
| Long Description | The ACS310 drives are designed for squared torque applications such as booster pumps and supply and return fans. The drive includes a powerful and beneficial set of features designed for pump and fan applications. These features include built-in PID controllers and pump and fan control (PFC) that varies the drive's performance in response to changes in pressure, flow or other external data. |

### Ordering

| | |
|---|---|
| Country of Origin | China (CN)<br>Finland (FI) |
| Customs Tariff Number | 85044085 |
| HS Code | 850440-- Electrical transformers, static converters (for example, rectifiers) and inductors.- Static converters |
| Invoice Description | ACS310-03E-03A9-2 Pn 0,55, I2n 3,9A IP20 |

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| | |
|---|---|
| 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 | 1.7 kg |
| Product Net Depth / Length | 217 mm |
| Product Net Height | 344 mm |
| Product Net Width | 132 mm |
| Package Level 1 Depth / Length | 348 mm |
| Package Level 1 Height | 130 mm |
| Package Level 1 Width | 220 mm |
| Package Level 1 Units | 1 carton |

## Technical

| | |
|---|---|
| Number of Phases | 3 |
| Degree of Protection | IP20 |
| Enclosure Type NEMA | Open Type |
| Multiple Battery Information | No battery / cell included |
| Frequency (f) | 50/60 Hz |
| Frame Size | R1 |
| Input Voltage ($U_{in}$) | 200 ... 240 V |
| Mounting Type | Module for cabinet building |
| Communication Protocol | MODBUS |
| 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 1 |
| Includes | Without control unit<br>Without optical interface<br>With PC connection |
| Analog Inputs | 2 |
| Analog Outputs | 1 |
| Number of Digital In/Outputs | 5/1 |
| Output Current, Light-Overload Use ($I_{LD}$) | 3.5 A |
| Output Current, Normal Use ($I_n$) | 3.9 A |
| Output Power, Light-Overload Use ($P_{LD}$) | 0.55 kW |
| Output Power, Normal Use ($P_n$) | 0.55 kW |

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| | |
|---|---|
| Apparent Power Output | 1.6 kV·A |
| Efficiency Level | IE2 |
| Standby Loss | 7 W |

Complete Drive Module
Efficiency (61800-9-2)

| Operating Point Frequency / Current | Absolute Loss | Relative Loss | Efficiency |
|---|---|---|---|
| 0 / 25 % | 23 W | 1.5 % | 77.8 % |
| 0 / 50 % | 28 W | 1.8 % | 85.2 % |
| 0 / 100 % | 38 W | 2.4 % | 88.6 % |
| 50 / 25 % | 25 W | 1.6 % | 87.4 % |
| 50 / 50 % | 30 W | 1.9 % | 91.7 % |
| 50 / 100 % | 42 W | 2.7 % | 93.5 % |
| 90 / 50 % | 34 W | 2.2 % | 94.7 % |
| 90 / 100 % | 49 W | 3.2 % | 95.8 % |

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

## Classifications

| | |
|---|---|
| ETIM 8 | EC001857 - Frequency converter =< 1 kV |
| ETIM 9 | EC001857 - Frequency converter =< 1 kV |
| UNSPSC | 39122001 |

## Environmental

| | |
|---|---|
| SCIP | 368fa7b1-e126-40b4-92a8-e40ef6adc38a Finland (FI) |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |

## Additional Information

| | |
|---|---|
| Product Name | Frequency converter |

## Categories

Drives → Low Voltage AC Drives → General Purpose Drives → ACS310 - Drive module for pumps and fans

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Pobrano z: https://automatyka-sklep.eu/falownik-acs310-03e-03a9-2-3x230-vac-0-55-kw-abb

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