

PRODUCT-DETAILS

# ACS310-03E-34A1-2

## ACS310-03E-34A1-2 Pn 7,5, I2n 34,1A IP20



### Información General

|                         |                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Global Commercial Alias | ACS310-03E-34A1-2                                                                                                                                                                                                                                                                                                                                                                                         |
| Código de producto      | 3AUA0000039623                                                                                                                                                                                                                                                                                                                                                                                            |
| ABB Type Designation    | ACS310-03E-34A1-2                                                                                                                                                                                                                                                                                                                                                                                         |
| EAN                     | 6410038785697                                                                                                                                                                                                                                                                                                                                                                                             |
| Descripción corta       | ACS310-03E-34A1-2 Pn 7,5, I2n 34,1A IP20                                                                                                                                                                                                                                                                                                                                                                  |
| Descripción larga       | 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. |

### Clasificación

|                           |                                          |
|---------------------------|------------------------------------------|
| Country of Origin         | China (CN)<br>Finland (FI)               |
| Código arancelario        | 85044084                                 |
| Invoice Description       | ACS310-03E-34A1-2 Pn 7,5, I2n 34,1A IP20 |
| Made To Order             | No                                       |
| Cantidad mínima de pedido | 1 piece                                  |
| Order Multiple            | 1 piece                                  |
| Quote Only                | No                                       |
| Selling Unit of Measure   | piece                                    |

## Dimensiones

|                           |          |
|---------------------------|----------|
| Peso del product          | 5.4 kg   |
| Alto del producto         | 243 mm   |
| Product Net Length        | 423 mm   |
| Ancho del product         | 260 mm   |
| Embalaje Nivel 1 Unidades | 0 carton |

## Technical

|                                              |                                                                                                                           |
|----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Number of Phases                             | 3                                                                                                                         |
| Grado de protección                          | IP20                                                                                                                      |
| Enclosure Type NEMA                          | Open Type                                                                                                                 |
| Frequency (f)                                | 50/60 Hz                                                                                                                  |
| 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                                     | With 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           | 31.0 A                                                                                                                    |
| Output Current, Normal Use                   | 34.1 A                                                                                                                    |
| Output Power, Light-Overload Use             | 7.5 kW                                                                                                                    |
| Output Power, Normal Use                     | 7.5 kW                                                                                                                    |
| Apparent Power Output                        | 14 kV·A                                                                                                                   |
| Efficiency Level                             | IE2                                                                                                                       |
| Standby Loss                                 | 10 W                                                                                                                      |
| Complete Drive Module Efficiency (61800-9-2) |                                                                                                                           |

| Operating Point<br>Frequency / Current | Absolute<br>Loss | Relative<br>Loss | Efficiency |
|----------------------------------------|------------------|------------------|------------|
| 0 / 25 %                               | 148 W            | 1.1 %            | 83.0 %     |
| 0 / 50 %                               | 190 W            | 1.4 %            | 88.0 %     |
| 0 / 100 %                              | 327 W            | 2.4 %            | 89.4 %     |
| 50 / 25 %                              | 158 W            | 1.2 %            | 90.5 %     |
| 50 / 50 %                              | 211 W            | 1.6 %            | 93.2 %     |
| 50 / 100 %                             | 376 W            | 2.8 %            | 93.9 %     |
| 90 / 50 %                              | 242 W            | 1.8 %            | 95.6 %     |
| 90 / 100 %                             | 449 W            | 3.3 %            | 95.9 %     |

|                    |               |
|--------------------|---------------|
| Temperature Rating | Maximum 40 °C |
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## Información Adicional

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|-------------------|---------------------|
| Product Main Type | ACS310              |
| Product Name      | Frequency converter |

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## Clasificaciones

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|----------------|----------------------------------------|
| Product Series | ACS310                                 |
| ETIM 7         | EC001857 - Frequency converter =< 1 kV |
| UNSPSC         | 39122001                               |

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## Ambiente

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|                |                                                            |
|----------------|------------------------------------------------------------|
| SCIP           | a77e82b6-1b9a-44a4-b19a-cb656dc2d1b5 Finland (FI)          |
| Categoría RAEE | 5. Small Equipment (No External Dimension More Than 50 cm) |

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## Categorías

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Convertidores de frecuencia → Convertidores de frecuencia de baja tensión de CA → Convertidores de frecuencia de propósito general  
ABB → ACS310 - Drive module for pumps and fans

