

PRODUCT-DETAILS

ACS310-01E-07A5-2

ACS310-01E-07A5-2 Pn 1,5kW, I2n 7,5A IP20



Información General

| | |
|-------------------------|---|
| Global Commercial Alias | ACS310-01E-07A5-2 |
| Código de producto | 3AUA0000038845 |
| ABB Type Designation | ACS310-01E-07A5-2 |
| EAN | 6438177272632 |
| Descripción corta | ACS310-01E-07A5-2 Pn 1,5kW, I2n 7,5A 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) Finland (FI) |
| Código arancelario | 85044084 |
| Invoice Description | ACS310-01E-07A5-2 Pn 1,5kW, I2n 7,5A 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 | 1.5 kg |
| Alto del producto | 166 mm |
| Product Net Length | 344 mm |
| Ancho del product | 217 mm |
| Embalaje Nivel 1 Unidades | 1 carton |

Technical

| | |
|---|---|
| Number of Phases | 1 |
| 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 PROFINET 0 RS-232 1 RS-422 0 RS-485 1 Serial TTY 0 USB 0 Parallel 0 Other 1 |
| Includes | With control unit Without optical interface With PC connection |
| Analog Inputs | 2 |
| Analog Outputs | 1 |
| Number of Digital In/Outputs | 5/1 |
| Output Current, Light- Overload Use | 7.2 A |
| Output Current, Normal Use | 7.5 A |
| Output Power, Light- Overload Use | 1.5 kW |
| Output Power, Normal Use | 1.5 kW |
| Apparent Power Output | 3.0 kV·A |
| Efficiency Level | IE2 |
| Standby Loss | 8 W |
| Complete Drive Module Efficiency (61800-9-2) | |

| Operating Point Frequency / Current | Absolute Loss | Relative Loss | Efficiency |
|--|------------------|------------------|------------|
| 0 / 25 % | 41 W | 1.4 % | 79.3 % |
| 0 / 50 % | 47 W | 1.6 % | 86.6 % |
| 0 / 100 % | 62 W | 2.1 % | 90.2 % |
| 50 / 25 % | 43 W | 1.4 % | 88.4 % |
| 50 / 50 % | 51 W | 1.7 % | 92.6 % |
| 50 / 100 % | 68 W | 2.3 % | 94.5 % |
| 90 / 50 % | 56 W | 1.9 % | 95.3 % |
| 90 / 100 % | 78 W | 2.6 % | 96.4 % |

Temperature Rating Maximum 40 °C

Ecodesign Exemption Energy efficiency data is not provided for the 1~230 V drives. The drives with

one phase input are not in the scope of the EU ecodesign requirements (Regulation EU/2019/1781).

Información Adicional

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

Clasificaciones

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

Ambiente

| | |
|----------------|--|
| SCIP | 5145c716-dcb6-4ade-a2e2-c4b6286fb7f9 Finland (FI) |
| Categoría RAEE | 5. Small Equipment (No External Dimension More Than 50 cm) |

Categorías

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

