




---

 PRODUCT-DETAILS

## ACS310-01E-06A7-2

LV AC drive module for pumps and fans, IEC:  
Pn 1.1 kW, 6.7 A (ACS310-01E-06A7-2)




---

**General Information**

Global Commercial Alias	ACS310-01E-06A7-2
Product ID	3AUA0000038844
ABB Type Designation	ACS310-01E-06A7-2
EAN	6438177272625
Catalog Description	LV AC drive module for pumps and fans, IEC: Pn 1.1 kW, 6.7 A (ACS310-01E-06A7-2)
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) Finland (FI)
Customs Tariff Number	85044085
HS Code	850440-- Electrical transformers, static converters (for example, rectifiers) and inductors.- Static converters
Invoice Description	ACS310-01E-06A7-2 Pn 1,1kW, I2n 6,7A IP20

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	1.2 kg
Product Net Depth / Length	342 mm
Product Net Height	130 mm
Product Net Width	215 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	1
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 PROFINET 0 RS-232 1 RS-422 0 RS-485 1 Serial TTY 0 USB 0 Parallel 0 Other 1
Includes	Without 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 ( $I_{LD}$ )	6.5 A
Output Current, Normal Use ( $I_n$ )	6.7 A
Output Power, Light-Overload Use ( $P_{LD}$ )	1.1 kW
Output Power, Normal Use ( $P_n$ )	1.1 kW

Apparent Power Output	2.7 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 %	38 W	1.4 %	78.9 %
0 / 50 %	44 W	1.6 %	86.2 %
0 / 100 %	59 W	2.2 %	89.6 %
50 / 25 %	39 W	1.5 %	88.2 %
50 / 50 %	47 W	1.8 %	92.4 %
50 / 100 %	65 W	2.4 %	94.2 %
90 / 50 %	52 W	1.9 %	95.2 %
90 / 100 %	74 W	2.8 %	96.3 %

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).

### Classifications

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

### Environmental

SCIP	19e91ffb-1eea-4f03-8e25-25819ab6b3bf 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

