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 PRODUCT-DETAILS

## ACS310-03E-06A2-4

LV AC drive module for pumps and fans, IEC:  
Pn 2.2 kW, 6.2 A (ACS310-03E-06A2-4)




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**General Information**

Global Commercial Alias	ACS310-03E-06A2-4
Product ID	3AUA0000039630
ABB Type Designation	ACS310-03E-06A2-4
EAN	6410038785765
Catalog Description	LV AC drive module for pumps and fans, IEC: Pn 2.2 kW, 6.2 A (ACS310-03E-06A2-4)
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.

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**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	ACS310-03E-06A2-4 Pn 2,2, I2n 6,2A 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	1.8 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 ( $U_{in}$ )	380 ... 480 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 ( $I_{LD}$ )	5.6 A
Output Current, Normal Use ( $I_n$ )	6.2 A
Output Power, Light-Overload Use ( $P_{LD}$ )	2.2 kW
Output Power, Normal Use ( $P_n$ )	2.2 kW

Apparent Power Output	4.3 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 %	47 W	1.1 %	83.0 %
0 / 50 %	54 W	1.3 %	89.0 %
0 / 100 %	75 W	1.7 %	91.6 %
50 / 25 %	49 W	1.1 %	90.7 %
50 / 50 %	58 W	1.4 %	94.0 %
50 / 100 %	82 W	1.9 %	95.4 %
90 / 50 %	63 W	1.5 %	96.3 %
90 / 100 %	92 W	2.1 %	97.1 %

Temperature Rating Maximum 40 °C

### Classifications

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

### Environmental

SCIP	fe629aef-0cd8-4aa5-bc1a-660329359953 Finland (FI)
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

### Additional Information

Product Name	Frequency converter
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### Categories

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

