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 PRODUCT-DETAILS

## ACS310-03E-02A1-4

LV AC drive module for pumps and fans, IEC:  
Pn 0.55 kW, 2.1 A (ACS310-03E-02A1-4)




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**General Information**

Global Commercial Alias	ACS310-03E-02A1-4
Product ID	3AUA0000039626
ABB Type Designation	ACS310-03E-02A1-4
EAN	6410038785727
Catalog Description	LV AC drive module for pumps and fans, IEC: Pn 0.55 kW, 2.1 A (ACS310-03E-02A1-4)
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**

Customs Tariff Number	85044085
HS Code	850440-- Electrical transformers, static converters (for example, rectifiers) and inductors.- Static converters
Invoice Description	ACS310-03E-02A1-4 Pn 0,55, I2n 2,1A 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	1.7 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

## Certificates and Declarations

Declaration of Conformity - CE	3AXD10000500206
REACH Date	20241203
REACH Declaration	9AKK107992A7060
REACH Information	True - contains substances > 0.1 mass percentage
RoHS Date	20230306
RoHS Information	3AXD10000500206
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

## 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 <sub>in</sub> )	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, Normal Use ( $I_n$ )	2.1 A
Output Current, Light- Overload Use ( $I_{LD}$ )	1.9 A
Output Power, Normal Use ( $P_n$ )	0.55 kW
Output Power, Light- Overload Use ( $P_{LD}$ )	0.55 kW
Apparent Power Output	28 W
Efficiency Level	1.5 kV-A
Standby Loss	IE2
Complete Drive Module Efficiency (IEC61800-9-2)	7 W

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	19 W	1.3 %	80.1 %
0 / 50 %	21 W	1.4 %	87.7 %
0 / 100 %	25 W	1.7 %	91.8 %
50 / 25 %	20 W	1.4 %	89.1 %
50 / 50 %	22 W	1.5 %	93.5 %
50 / 100 %	26 W	1.8 %	95.6 %
90 / 50 %	23 W	1.6 %	96.1 %
90 / 100 %	28 W	2.0 %	97.3 %

Temperature Rating Maximum 40 °C

### External Classifications and Standards

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

### Environmental

SCIP	ef346626-fde1-43b2-ae88-2b8d14049b9d Finland
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

### Categories

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

