

## PRODUCT-DETAILS

# ACS310-01E-02A4-2

# ACS310-01E-02A4-2 Pn 0,37kW, I2n 2,4A IP20



## General Information

Global Commercial Alias	ACS310-01E-02A4-2
Product ID	3AUA0000038701
ABB Type Designation	ACS310-01E-02A4-2
EAN	6438177272601
Catalog Description	ACS310-01E-02A4-2 Pn 0,37kW, I2n 2,4A IP20
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
Invoice Description	ACS310-01E-02A4-2 Pn 0,37kW, I2n 2,4A 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
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 ( $I_{LD}$ )	2.3 A
Output Current, Normal Use ( $I_n$ )	2.4 A
Output Power, Light-Overload Use ( $P_{LD}$ )	0.37 kW
Output Power, Normal Use ( $P_n$ )	0.37 kW
Apparent Power Output	1.0 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 %	21 W	2.1 %	75.0 %
0 / 50 %	21 W	2.2 %	81.7 %
0 / 100 %	25 W	2.6 %	87.2 %
50 / 25 %	21 W	2.2 %	85.7 %
50 / 50 %	23 W	2.4 %	89.8 %
50 / 100 %	27 W	2.8 %	92.8 %
90 / 50 %	25 W	2.6 %	93.5 %
90 / 100 %	31 W	3.2 %	95.4 %

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).

Additional Information

Product Main Type	ACS310
Product Name	Frequency converter

Classifications

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

Environmental

SCIP	ec655904-52c0-4b46-941b-2b893a86cbf9 Finland (FI)
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

