

PRODUCT-DETAILS

# ACS310-03E-50A8-2

## ACS310-03E-50A8-2 Pn 11, I2n 50,8A IP20



### General Information

Global Commercial Alias	ACS310-03E-50A8-2
Product ID	3AUA0000039624
ABB Type Designation	ACS310-03E-50A8-2
EAN	6410038785703
Catalog Description	ACS310-03E-50A8-2 Pn 11, I2n 50,8A 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	85044086
Invoice Description	ACS310-03E-50A8-2 Pn 11, I2n 50,8A 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	5.4 kg
Product Net Depth / Length	423 mm
Product Net Height	243 mm
Product Net Width	260 mm
Package Level 1 Depth / Length	419 mm
Package Level 1 Height	240 mm
Package Level 1 Width	239 mm
Package Level 1 Units	1 carton

## Technical

Number of Phases	3
Degree of Protection	IP20
Enclosure Type NEMA	Open Type
Frequency (f)	50/60 Hz
Frame Size	R4
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 ( $I_{LD}$ )	46.2 A
Output Current, Normal Use ( $I_n$ )	50.8 A
Output Power, Light-	11 kW

Overload Use ( $P_{LD}$ )

Output Power, Normal Use ( $P_n$ ) 11.0 kW

Apparent Power Output 20 kV·A

Efficiency Level IE2

Standby Loss 11 W

Complete Drive Module Efficiency (61800-9-2)

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	209 W	1.0 %	83.7 %
0 / 50 %	277 W	1.4 %	88.2 %
0 / 100 %	504 W	2.5 %	89.1 %
50 / 25 %	225 W	1.1 %	90.8 %
50 / 50 %	312 W	1.5 %	93.2 %
50 / 100 %	588 W	2.9 %	93.6 %
90 / 50 %	368 W	1.8 %	95.5 %
90 / 100 %	726 W	3.6 %	95.5 %

Temperature Rating Maximum 40 °C

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 a77e82b6-1b9a-44a4-b19a-cb656dc2d1b5 Finland (FI)

WEEE Category 5. Small Equipment (No External Dimension More Than 50 cm)

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## Categories

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

