



PRODUCT-DETAILS

ACS310-03E-03A6-4

LV AC drive module for pumps and fans, IEC:
Pn 1.1 kW, 3.6 A (ACS310-03E-03A6-4)



General Information	
Global Commercial Alias:	ACS310-03E-03A6-4
Product ID:	3AUA0000039628
ABB Type Designation:	ACS310-03E-03A6-4
EAN:	6410038785741
Catalog Description:	LV AC drive module for pumps and fans, IEC: Pn 1.1 kW, 3.6 A (ACS310-03E-03A6-4)
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.
Display Name:	ACS310-03E-03A6-4

Ordering	
Customs Tariff Number:	85044085

HS Code: 850440 -- ELECTRICAL MACHINERY AND EQUIPMENT AND PARTS THEREOF; SOUND RECORDERS AND REPRODUCERS, TELEVISION IMAGE AND SOUND RECORDERS AND REPRODUCERS, AND PARTS AND ACCESSORIES OF SUCH ARTICLES; Electrical transformers, static converters (for example, rectifiers) and inductors; Static converters

Invoice Description:	ACS310-03E-03A6-4 Pn 1,1, I2n 3,6A 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

Technical

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	30 W	1.2 %	81.4 %
0 / 50 %	34 W	1.3 %	88.4 %
0 / 100 %	42 W	1.7 %	91.8 %
50 / 25 %	31 W	1.2 %	89.9 %
50 / 50 %	35 W	1.4 %	93.8 %
50 / 100 %	46 W	1.8 %	95.6 %
90 / 50 %	38 W	1.5 %	96.2 %
90 / 100 %	50 W	2.0 %	97.3 %

Number of Phases:	3-phase
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, Normal Use (I_n):	3.6 A
Output Current, Light-Overload Use (I_{LD}):	3.3 A
Output Power, Normal Use (P_n):	1.1 kW
Output Power, Light-Overload Use (P_{LD}):	1.1 kW
Power Consumption (@P_{cons}):	50 W
Apparent Power Output:	2.5 kV·A
Efficiency Level:	IE2
Standby Loss:	8 W
Temperature Rating:	Maximum 40 °C

Certificates and Declarations

Declaration of Conformity - CE:	3AXD10000500206
REACH Date:	20250905
REACH Declaration:	9AKK107992A7060
REACH Information:	True - contains substances > 0.1 mass percentage
RoHS Date:	20230306
RoHS Declaration:	3AXD10000500206
RoHS Information:	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

Environmental

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

External Classifications and Standards

UNSPSC:	39122001
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Categories

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

