



PRODUCT-DETAILS

ACS355-03E-12A5-4

LV AC machinery drive module, IEC: Pn 5.5 kW, 12.5 A (ACS355-03E-12A5-4)



General Information	
Global Commercial Alias:	ACS355-03E-12A5-4
Product ID:	3AUA0000058190
ABB Type Designation:	ACS355-03E-12A5-4
EAN:	6438177223658
Catalog Description:	LV AC machinery drive module, IEC: Pn 5.5 kW, 12.5 A (ACS355-03E-12A5-4)
Long Description:	The ACS355 drives are designed to meet the requirements of an extensive range of machinery applications in food and beverage, material handling, lifting, textile, printing, rubber and plastics, and woodworking applications. The drive is user-friendly, yet it provides a wide range of built-in technology such as the safe torque off functionality and sequence programming, reducing the need for additional control electronics. The product offers options and diverse functionality to cater to the needs set for speed and torque control of AC induction and permanent magnet motors.
Display Name:	ACS355-03E-12A5-4

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:	ACS355-03E-12A5-4 Pn 5,5kW, I2n 12,5A 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:	3.2 kg
Product Net Depth / Length:	169 mm
Product Net Height:	236 mm
Product Net Width:	169 mm
Package Level 1 Depth / Length:	327 mm
Package Level 1 Height:	220 mm
Package Level 1 Width:	200 mm
Package Level 1 Units:	1 carton

Technical

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	62 W	0.7 %	88.0 %
0 / 50 %	78 W	0.9 %	91.9 %
0 / 100 %	126 W	1.5 %	93.3 %
50 / 25 %	68 W	0.8 %	93.4 %
50 / 50 %	87 W	1.0 %	95.5 %
50 / 100 %	149 W	1.7 %	96.1 %
90 / 50 %	100 W	1.2 %	97.1 %
90 / 100 %	181 W	2.1 %	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:	R3
Input Voltage (U_{in}):	380 ... 480 V
Mounting Type:	Module for cabinet building

Communication Protocol:	MODBUS LON DeviceNet PROFIBUS CAN EtherNet/IP PROFINET IO TCP/IP Other Bus Systems
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):	12.5 A
Output Power, Normal Use (P_n):	5.5 kW
Output Power, Light-Overload Use (P_{LD}):	5.5 kW
Power Consumption (@P_{cons}):	181 W
Apparent Power Output:	8.7 kV·A
Efficiency Level:	IE2
Standby Loss:	9 W
Temperature Rating:	Maximum 40 °C

Certificates and Declarations

Declaration of Conformity - CE:	3AXD10000499279
REACH Date:	20250905
REACH Declaration:	9AKK107992A7060
REACH Information:	True - contains substances > 0.1 mass percentage
RoHS Date:	20230303
RoHS Declaration:	3AXD10000499279
RoHS Information:	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

Environmental

SCIP:	43820909-4262-4B16-BB51-6A918585E7CA Finland
WEEE Category:	5. Small Equipment (No External Dimension More Than 50 cm)

External Classifications and Standards	
UNSPSC:	39122001

Where Used (as part of "kit")			
Identifier	Description	Qty	Unit Of Measure
3AUA0000157194	LV AC machinery drive module, IEC: Pn 5.5 kW, 12.5 A (ACS355-03E-12A5-4 Solar Pump Drive)	1	piece

Categories
Products > Drives > Low Voltage AC Drives > Machinery Drives > ACS355 - Machinery Drive

