



 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	<p>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.</p> <p>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.</p>

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, l2n 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

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	12.5 A

Use (I_n)	
Output Power, Normal	5.5 kW
Use (P_n)	
Output Power, Light-Overload Use (P_{LD})	5.5 kW
	181 W
Apparent Power Output	8.7 kV·A
Efficiency Level	IE2
Standby Loss	9 W
Complete Drive Module Efficiency (IEC61800-9-2)	

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 %

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

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

Where Used (as part of "kit")

Identifier	Description	Type
3AUA0000157194		Kit

Categories

Drives → Low Voltage AC Drives → Machinery Drives → ACS355 - Machinery Drive

