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 PRODUCT-DETAILS

# ACS355-03E-44A0-4

## LV AC machinery drive module, IEC: Pn 22 kW, 44 A (ACS355-03E-44A0-4)




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**General Information**

Global Commercial Alias	ACS355-03E-44A0-4
Product ID	3AUA0000058195
ABB Type Designation	ACS355-03E-44A0-4
EAN	6438177223702
Catalog Description	LV AC machinery drive module, IEC: Pn 22 kW, 44 A (ACS355-03E-44A0-4)
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 <u>speed and torque control of AC induction and permanent magnet motors.</u></p>

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**Ordering**

Country of Origin	China (CN) Finland (FI)
Customs Tariff Number	85044086
HS Code	850440-- Electrical transformers, static converters (for example, rectifiers) and inductors.- Static converters
Invoice Description	ACS355-03E-44A0-4 Pn 22kW, 12n 44A 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	260 mm
Product Net Height	244 mm
Product Net Width	169 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
Multiple Battery Information	No battery / cell included
Frequency (f)	50/60 Hz
Frame Size	R4
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 ( $I_n$ )	44 A
Output Power, Light-Overload Use ( $P_{LD}$ )	22 kW
Output Power, Normal Use ( $P_n$ )	22 kW

Apparent Power Output	30 kV·A
Efficiency Level	IE2
Standby Loss	12 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	205 W	0.7 %	88.7 %
0 / 50 %	269 W	0.9 %	92.1 %
0 / 100 %	479 W	1.6 %	92.8 %
50 / 25 %	224 W	0.7 %	93.8 %
50 / 50 %	304 W	1.0 %	95.5 %
50 / 100 %	560 W	1.8 %	95.9 %
90 / 50 %	347 W	1.1 %	97.1 %
90 / 100 %	683 W	2.2 %	97.2 %

Temperature Rating Maximum 40 °C

### Classifications

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

### Environmental

SCIP	d35ff55e-e9ce-44c8-88b4-07511d5178ea Finland (FI)
Simplified SCIP	ceac33e8-d642-4695-bf6f-5c6fa153dc28 Belgium (BE)
	328622d9-f6dc-4aff-aa8b-9569b4b166aa Netherlands (NL)
	82ecd6dd-1f1a-4e37-bdd1-52b4d8874f90 Denmark (DK)
	5e035ab0-940d-4db0-b98c-a81adcb28d42 Spain (ES)
	9a052653-ae9e-4b6f-81cf-65e6121eac64 Portugal (PT)
	2f2c5d76-6cd5-40e8-a577-50b35b2023fc Estonia (EE)
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

### Additional Information

Product Name	Frequency converter
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### Where Used (as part of "kit")

Identifier	Description	Type
3AUA0000157199		Kit

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## Categories

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

