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PRODUCT-DETAILS

# ACS355-03E-38A0-4

## LV AC machinery drive module, IEC: Pn 18.5 kW, 38 A (ACS355-03E-38A0-4)



## General Information

| | |
|---|---|
| Global Commercial Alias | ACS355-03E-38A0-4 |
| Product ID | 3AUA0000058194 |
| ABB Type Designation | ACS355-03E-38A0-4 |
| EAN | 6438177223696 |
| Catalog Description | LV AC machinery drive module, IEC: Pn 18.5 kW, 38 A (ACS355-03E-38A0-4) |
| 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. |

## 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-38A0-4 Pn 18,5kW,12n 38A 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<br>LON<br>DeviceNet<br>PROFIBUS<br>CAN<br>EtherNet/IP<br>PROFINET IO<br>TCP/IP<br>Other Bus Systems |
| Number of Hardware Interfaces | Industrial Ethernet 0<br>PROFINET 0<br>RS-232 1<br>RS-422 0<br>RS-485 1<br>Serial TTY 0<br>USB 0<br>Parallel 0<br>Other 1 |
| Includes | Without control unit<br>Without optical interface<br>With PC connection |
| Analog Inputs | 2 |
| Analog Outputs | 1 |
| Number of Digital In/Outputs | 5/1 |
| Output Current, Normal | 38 A |

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| | |
|---|---|
| Use ($I_n$) | |
| Output Power, Light-Overload Use ($P_{LD}$) | 18.5 kW |
| Output Power, Normal Use ($P_n$) | 18.5 kW |
| Apparent Power Output | 26 kV·A |
| Efficiency Level | IE2 |
| Standby Loss | 12 W |

Complete Drive Module
Efficiency (61800-9-2)

**Operating Point
Frequency / Current**

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| Temperature Rating | Maximum 40 °C |

## Classifications

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

## Environmental

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|---|---|
| SCIP | D35FF55E-E9CE-44C8-88B4-07511D5178EA Finland (FI) |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |

## Additional Information

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|---|---|
| Product Name | Frequency converter |

2024/10/30         Subject to change without notice

| Absolute Loss |
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| Relative Loss |
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**Efficiency**

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## Where Used (as part of "kit")

| Identifier | Description | Type |
|---|---|---|
| 3AUA0000157198 | | Kit |

## Categories

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