



 PRODUCT-DETAILS

ACS880-01-034A-5

LV AC industrial wall-mounted single drive,
IEC: Pn 18.5 kW, 34 A (ACS880-01-034A-5)



General Information

| | |
|-------------------------|--|
| Global Commercial Alias | ACS880-01-034A-5 |
| Product ID | 3ABD00037812-D |
| ABB Type Designation | ACS880-01-034A-5 |
| Catalog Description | LV AC industrial wall-mounted single drive, IEC: Pn 18.5 kW, 34 A (ACS880-01-034A-5) |

| | |
|------------------|---|
| Long Description | <p>The ACS880-01 drives are customized to meet the particular needs of specific industries, such as oil and gas, mining, metals, chemicals, cement, power plants, material handling, pulp and paper, sawmills, marine, water and wastewater, food and beverage, and automotive. They can control a wide range of applications, including cranes, extruders, winches, winders, conveyors, mixers, compressors, centrifuges, test benches, elevators, extruders, pumps, and fans. The ACS880-01 comes in one compact package for easy installation and commissioning. The drive can be installed on the wall as standard and in a cabinet as an option. The drive offering includes enclosure classes up to IP55, making it suitable for most environments and installations. ACS880-01 drives have all the essential features built-in. These features include as standard a choke for harmonic filtering as well as options like a brake chopper, EMC filter and communication protocol adapter, functional safety, external output filters, and I/O extension modules.</p> |
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Ordering

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|-----------------------|----------|
| Customs Tariff Number | 85044099 |
|-----------------------|----------|

| | |
|-------------------------|---|
| HS Code | 850440-- Electrical transformers, static converters (for example, rectifiers) and inductors.- Static converters |
| Invoice Description | ACS880-01-034A-5 PN: 18.5KW, IN: 34A |
| 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 | 10 kg |
| Product Net Depth / Length | 261 mm |
| Product Net Height | 475 mm |
| Product Net Width | 172 mm |
| Package Level 1 Depth / Length | 620 mm |
| Package Level 1 Height | 320 mm |
| Package Level 1 Width | 250 mm |
| Package Level 1 Units | 1 carton |

Technical

| | |
|---|------------------------|
| Number of Phases | 3-phase |
| Degree of Protection | IP21 |
| Enclosure Type NEMA | Type1 |
| Frequency (f) | 47.5 ... 63 Hz |
| Frame Size | R3 |
| Input Voltage (U_{in}) | 380 ... 500 V |
| Mounting Type | Wall-mounted_NO UNIT\$ |
| Output Current, Normal | 34 A |
| Use (I_n) | |
| Output Current, Light- | 32 A |
| Overload Use (I_{LD}) | |
| Output Current, Heavy- | 27 A |
| Duty Use (I_{HD}) | |
| Output Power, Normal | 18.5 kW |
| Use (P_n) | |
| Output Power, Light- | 18.5 kW |
| Overload Use (P_{LD}) | |
| Output Power, Heavy- | 15 kW |
| Duty Use (P_{HD}) | |
| Efficiency Level | IE2 |
| Complete Drive Module Efficiency (IEC61800-9-2) | |

| Operating Point Frequency / Current | Absolute Loss | Relative Loss | Efficiency |
|--|------------------|------------------|------------|
| 0 / 25 % | 166 W | 0.6 % | 90.4 % |
| 0 / 50 % | 218 W | 0.7 % | 93.3 % |
| 0 / 100 % | 344 W | 1.2 % | 94.6 % |
| 50 / 25 % | 172 W | 0.6 % | 95.0 % |
| 50 / 50 % | 233 W | 0.8 % | 96.4 % |
| 50 / 100 % | 393 W | 1.3 % | 97.0 % |
| 90 / 50 % | 255 W | 0.9 % | 97.8 % |
| 90 / 100 % | 454 W | 1.5 % | 98.0 % |

External Classifications and Standards

UNSPSC

39122001

Environmental

WEEE Category

4. Large Equipment (Any External Dimension More Than 50 cm)

Categories

Drives → Low Voltage AC Drives → Industrial Drives → ACS880 Single Drives → ACS880-01 - Wall-mounted single drive

