



 PRODUCT-DETAILS

ACS880-34-260A-5

LV AC industrial ultra-low harmonic single drive module, IEC: Pn 160 kW, 260 A, 500 V, UL: Pld 200 Hp, 260 A, 480 V (ACS880-34-260A-5)



General Information

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|-------------------------|------------------|
| Global Commercial Alias | ACS880-34-260A-5 |
| Product ID | 3AXD50000200016 |
| ABB Type Designation | ACS880-34-260A-5 |
| EAN | 6438177548485 |

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| Catalog Description | LV AC industrial ultra-low harmonic single drive module, IEC: Pn 160 kW, 260 A, 500 V, UL: Pld 200 Hp, 260 A, 480 V (ACS880-34-260A-5) |
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The ACS880-34 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.

Long Description

The compact ACS880-34 ultra-low harmonic drive module produces exceptionally low harmonic content and exceeds the requirements set by low harmonic requirements. The drive includes an active supply unit and integrated low harmonic line filter, meaning there is no need for external filters, multi-pulse arrangements or special transformers. Other features include output voltage boost and power factor correction. These modules are specifically designed for machine builders and systems integrators. Bookshelf variants can easily be pushed inside the cabinet using a pedestal on wheels

Ordering

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|-------------------------|---|
| Country of Origin | Finland (FI) |
| Customs Tariff Number | 85044085 |
| HS Code | 850440-- Electrical transformers, static converters (for example, rectifiers) and inductors.- Static converters |
| Invoice Description | ACS880-34-260A-5 PN: 160 kW, IN: 260 A |
| Made To Order | Yes |
| Minimum Order Quantity | 1 piece |
| Order Multiple | 1 piece |
| Quote Only | No |
| Selling Unit of Measure | piece |

Dimensions

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|--------------------------------|------------------------|
| Product Net Weight | 365 kg |
| Product Net Depth / Length | 512 mm 20.157 in |
| Product Net Height | 1741 mm 68.543 in |
| Product Net Width | 713 mm 28.071 in |
| Package Level 1 Depth / Length | 1077.0 mm 42.402 in |
| Package Level 1 Height | 2050.0 mm 80.709 in |
| Package Level 1 Width | 650.0 mm 25.591 in |
| Package Level 1 Units | 1 carton |

Technical

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| Number of Phases | 3 |
| Degree of Protection | IP20 |
| Enclosure Type NEMA | Open Type |
| Altitude | 4000 m 5 ... 95 |
| Power Factor | 1.0 |
| Sound dB (A) | 75 dB(A) |
| Multiple Battery Information | Lithium Coin, CR2032, 220 mAh, 3 V, 2 pcs, 6 g |
| Frequency (f) | 47.5 ... 63 Hz |
| Frame Size | R11 |
| Input Voltage (U _{in}) | 380 ... 500 V |
| Mounting Type | Module for cabinet building |
| Communication Protocol | CAN DeviceNet EtherNet/IP MODBUS Other Bus Systems PROFIsafe PROFIBUS PROFINET IO TCP/IP |
| Number of Hardware Interfaces | Industrial Ethernet 0 Other 6 Parallel 0 |

PROFINET 0
 RS-232 0
 RS-422 0
 RS-485 1
 Serial TTY 0
 USB 1

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|---|-------------------------------|
| Includes | Control unit PC connection |
| Analog Inputs | 2 |
| Analog Outputs | 2 |
| Number of Digital In/Outputs | 6 / 2 |
| Output Current, Heavy-Duty Use (I_{HD}) | 240 A |
| Output Current, Light-Overload Use (I_{LD}) | 247 A |
| Output Current, Normal Use (I_n) | 260 A |
| Output Power, Heavy-Duty Use (P_{HD}) | 132 kW |
| Output Power, Light-Overload Use (P_{LD}) | 160 kW |
| Output Power, Normal Use (P_n) | 160 kW |
| Apparent Power Output | 225 kV·A |
| Efficiency Level | IE2 |
| Standby Loss | 243 W |
| Complete Drive Module Efficiency (61800-9-2) | |

| Operating Point Frequency / Current | Absolute Loss | Efficiency | Relative Loss |
|-------------------------------------|---------------|------------|---------------|
| 0/25 % | 1002 W | 92.7 % | 0.4 % |
| 0/50 % | 1291 W | 95.0 % | 0.6 % |
| 0/100 % | 2010 W | 96.0 % | 0.9 % |
| 50/25 % | 1086 W | 95.9 % | 0.5 % |
| 50/50 % | 1470 W | 97.1 % | 0.7 % |
| 50/100 % | 2567 W | 97.4 % | 1.1 % |
| 90/50 % | 1864 W | 97.9 % | 0.8 % |
| 90/100 % | 3771 W | 97.9 % | 1.7 % |

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| Temperature Rating | Maximum +55 °C Minimum -15 °C |
| Ecodesign Exemption | Energy efficiency data is not provided for the drive. The low-harmonic drives are exempt from the EU ecodesign requirements (Regulation EU/2019/1781, §2.3.d). |

Technical UL

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|---|--------|
| Output Current, Heavy-Duty Use (UL) | 240 A |
| Output Current, Light-Overload Use (UL) | 260 A |
| Output Power, Heavy-Duty Use (UL) | 200 Hp |
| Output Power, Light- | 200 Hp |

Overload Use (UL)

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 | c44fe560-7ab6-4f91-9cdb-6ff4cf7e4d81 Finland (FI) |
| WEEE Category | 4. Large Equipment (Any External Dimension More Than 50 cm) |

Additional Information

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| Product Name | Frequency converter |
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Categories

Drives → Low Voltage AC Drives → Industrial Drives → ACS880 Drive Modules → ACS880-34 - Ultra-low harmonic single drive module

