



PRODUCT-DETAILS

ACS580-01-06A7-2

LV AC general purpose wall-mounted drive, IEC:
Pn 1.1 kW, 6.7 A, 230 V (ACS580-01-06A7-2)



General Information

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|-------------------------|--|
| Global Commercial Alias | ACS580-01-06A7-2 |
| Product ID | 3AXD50000417353 |
| ABB Type Designation | ACS580-01-06A7-2 |
| EAN | 6438177591078 |
| Catalog Description | LV AC general purpose wall-mounted drive, IEC: Pn 1.1 kW, 6.7 A, 230 V (ACS580-01-06A7-2) |
| Long Description | <p>The ACS580-01 is plug-in ready to control your compressors, conveyors, pumps, extruders, centrifuges, mixers, fans and many other variable and constant torque applications, in a variety of light industries, including food and beverage, plastic, textile, material handling, and agriculture.</p> <p>All essential features are built-in as standard, simplifying drive selection, and making additional hardware unnecessary. Versatile and straightforward settings menu and assistants enable fast setup, commissioning, use and maintenance, while rugged and robust design makes it a good fit for various environments. With the ACS580 drives you can easily take full control of your processes to comprehensively manage your plant. The wall-mounted ACS580-01 comes in IP21 enclosure as standard. Also, IP55 and flange mounting units are available.</p> |

Ordering

| | |
|-----------------------|--|
| Country of Origin | China (CN) Finland (FI) United States (US) |
| Customs Tariff Number | 85044085 |
| Invoice Description | ACS580-01-06A7-2 PN: 1.1 kW, IN: 6.7 A |
| Made To Order | Yes |

| | |
|-------------------------|---------|
| Minimum Order Quantity | 1 piece |
| Order Multiple | 1 piece |
| Quote Only | No |
| Selling Unit of Measure | piece |

Container Information

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|--------------|------------|
| Gross Volume | 10.397 dm³ |
|--------------|------------|

Dimensions

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|--------------------------------|-----------------------|
| Product Net Weight | 4.6 kg 10.141 lb |
| Product Net Depth / Length | 223.00 mm 8.78 in |
| Product Net Height | 373.00 mm 14.69 in |
| Product Net Width | 125.00 mm 4.92 in |
| Package Level 1 Depth / Length | 225.00 mm |
| Package Level 1 Height | 370.00 mm |
| Package Level 1 Width | 526.00 mm |

Technical

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|----------------------------------|---|
| Number of Phases | 3 |
| Degree of Protection | IP21 |
| Enclosure Type NEMA | Type1 |
| Altitude | 1000 m 95 |
| Sound dB (A) | 59 dB(A) |
| Multiple Battery Information | Lithium Coin, CR2032, 220 mAh, 3 V, 1 pc, 3 g |
| Frequency (f) | 47.5 ... 63 Hz |
| Frame Size | R1 |
| Input Voltage (U _{in}) | 200 ... 240 V |
| Mounting Type | Wall-mounted |
| Communication Protocol | CAN DeviceNet EtherNet/IP MODBUS Other Bus Systems PROFIBUS PROFINET IO TCP/IP |
| Number of Hardware Interfaces | Industrial Ethernet 0 Other 2 Parallel 2 PROFINET 0 RS-232 0 RS-422 0 RS-485 1 Serial TTY 0 USB 1 |
| Includes | Control unit PC connection |
| Analog Inputs | 2 |
| Analog Outputs | 2 |
| Number of Digital In/Outputs | 6 / 3 |
| Output Current, Heavy- | 4.6 A |

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|---|----------|
| Duty Use (I_{HD}) | |
| Output Current, Light-Overload Use (I_{LD}) | 6.6 A |
| Output Current, Normal Use (I_n) | 6.7 A |
| Output Power, Heavy-Duty Use (P_{HD}) | 0.75 kW |
| Output Power, Light-Overload Use (P_{LD}) | 1.1 kW |
| Output Power, Normal Use (P_n) | 1.1 kW |
| Apparent Power Output | 2.7 kV·A |
| Efficiency Level | IE2 |
| Standby Loss | 13 W |
| Complete Drive Module Efficiency (61800-9-2) | |

| Operating Point Frequency / Current | Absolute Loss | Efficiency | Relative Loss |
|--|------------------|------------|------------------|
| 0/25 % | 37 W | 79.1 % | 1.4 % |
| 0/50 % | 42 W | 86.6 % | 1.6 % |
| 0/100 % | 54 W | 90.4 % | 2.0 % |
| 50/25 % | 39 W | 88.3 % | 1.5 % |
| 50/50 % | 45 W | 92.6 % | 1.7 % |
| 50/100 % | 60 W | 94.6 % | 2.2 % |
| 90/50 % | 50 W | 95.4 % | 1.9 % |
| 90/100 % | 72 W | 96.4 % | 2.7 % |

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|--------------------|---------------------------------|
| Temperature Rating | Maximum 40 °C Minimum -15 °C |
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Additional Information

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| Product Main Type | ACS580-01 |
| Product Name | Frequency converter |

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 | 8105d671-49fa-4c1c-836d-baf56982886a Finland (FI) |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |

Categories

Drives → Low Voltage AC Drives → General Purpose Drives → ACS580-01 - Wall-mounted drive

