

ACS580-01-145A-4

General Information

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|---------------------------------|---|
| Global Commercial Alias: | ACS580-01-145A-4 |
| Product ID: | 3AUA0000080504 |
| ABB Type Designation: | ACS580-01-145A-4 |
| EAN: | 6438177305606 |
| Catalog Description: | ACS580-01-145A-4 PN: 75 kW, IN: 145 A |
| Long Description: | 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. |

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.

Categories

Products » [Drives](#) » [Low Voltage AC Drives](#) » [General Purpose Drives](#) » [ACS580-01 - Wall-mounted drive](#)

Ordering

| | |
|---------------------------------|---------------------------------------|
| Country of Origin: | Finland (FI) |
| Customs Tariff Number: | 85044085 |
| Invoice Description: | ACS580-01-145A-4 PN: 75 kW, IN: 145 A |
| Made To Order: | Yes |
| Minimum Order Quantity: | 1 piece |
| Order Multiple: | 1 piece |
| Quote Only: | No |
| Selling Unit of Measure: | piece |

Container Information

Gross Volume: 67.602 dm³

Dimensions

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|------------------------------------|----------------------|
| Product Net Weight: | 42.4 kg 93.476 lb |
| Product Net Depth / Length: | 369 mm 14.528 in |

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|---|---|
| Product Net Height: | 727 mm 28.622 in |
| Product Net Width: | 252 mm 9.921 in |
| Package Level 1 Depth / Length: | 880 mm |
| Package Level 1 Height: | 580.00 mm 22.835 in |
| Package Level 1 Width: | 335.00 mm 13.189 in |
| Package Level 1 Units: | 1 carton |
| Technical | |
| Number of Phases: | 3 |
| Degree of Protection: | acc. to IEC 60529 IP21 |
| Enclosure Type NEMA: | Type1 |
| Altitude: | 1000 m |
| Operating Humidity (RH_{amb}): | 95 |
| Sound dB (A): | 67 dB(A) |
| Multiple Battery Information: | Lithium Coin, CR2032, 220 mAh, 3 V, 1 pc, 3 g |
| Frequency (f): | 47 ... 63 Hz |
| Input Voltage (U_{in}): | 380 ... 480 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: | With control unit Without optical interface With PC connection |
| Analog Inputs: | 2 |

| | |
|--|----------|
| Analog Outputs: | 2 |
| Number of Digital In/Outputs: | 6 / 3 |
| Output Current, Heavy-Duty Use (I_{HD}): | 105 A |
| Output Current, Light-Overload Use (I_{LD}): | 138 A |
| Output Current, Normal Use (I_n): | 145 A |
| Output Power, Heavy-Duty Use (P_{HD}): | 55 kW |
| Output Power, Light-Overload Use (P_{LD}): | 75 kW |
| Output Power, Normal Use (P_n): | 75 kW |
| Apparent Power Output: | 100 kV·A |
| Efficiency Level: | IE2 |
| Standby Loss: | 36 W |

Complete Drive Module Efficiency (61800-9-2):

| Operating Point Frequency / Current | Absolute Loss | Efficiency | Relative Loss |
|-------------------------------------|---------------|------------|---------------|
| 0/25 % | 505 W | 91.5 % | 0.5 % |
| 0/50 % | 692 W | 93.8 % | 0.7 % |
| 0/100 % | 1238 W | 94.4 % | 1.2 % |
| 50/25 % | 557 W | 95.3 % | 0.6 % |
| 50/50 % | 791 W | 96.5 % | 0.8 % |
| 50/100 % | 1470 W | 96.7 % | 1.5 % |
| 90/50 % | 946 W | 97.7 % | 0.9 % |
| 90/100 % | 1960 W | 97.5 % | 2.0 % |

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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 7: | EC001857 - Frequency converter =< 1 kV |
| UNSPSC: | 39122001 |

Environmental

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|-----------------------|---|
| SCIP: | 42f6f782-9c42-4d18-a113-336de5803e6f Finland (FI) |
| WEEE Category: | 4. Large Equipment (Any External Dimension More Than 50 cm) |



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