

PRODUCT-DETAILS

ACS580-01-145A-4

ACS580-01-145A-4 PN: 75 kW, IN: 145 A



Submitted by TECO Group

General Information

| | |
|-------------------------|---------------------------------------|
| 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 |

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.

Long Description

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.

Ordering

| | |
|------------------------|---------------------------------------|
| Country of Origin | Finland (FI) |
| Customs Tariff Number | 85044084 |
| 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 dm ³ |
|--------------|------------------------|

Dimensions

| | |
|--------------------------------|----------|
| Product Net Weight | 42.4 kg |
| Product Net Depth / Length | 369 mm |
| Product Net Height | 727 mm |
| Product Net Width | 252 mm |
| Package Level 1 Depth / Length | 880 mm |
| Package Level 1 Height | 580 mm |
| Package Level 1 Width | 335 mm |
| Package Level 1 Units | 1 carton |

Technical

| | |
|------------------------------------|---|
| Number of Phases | 3 |
| Degree of Protection | IP21 |
| Enclosure Type NEMA | Type1 |
| Altitude | 1000 m |
| Sound dB (A) | 67 dB(A) |
| Frequency (f) | 50/60 Hz |
| Input Voltage (U _{in}) | 380 ... 480 V |
| Mounting Type | Wall-mounted |
| Communication Protocol | MODBUS DeviceNet PROFIBUS CAN EtherNet/IP PROFINET IO TCP/IP Other Bus Systems |
| Number of Hardware Interfaces | Industrial Ethernet 0 PROFINET 0 RS-232 0 RS-422 0 RS-485 1 Serial TTY 0 USB 1 Parallel 2 Other 2 |
| 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 | 105 A |
| Output Current, Light-Overload Use | 138 A |
| Output Current, Normal Use | 145 A |
| Output Power, Heavy- | 55 kW |

Duty Use

| | |
|--|----------|
| Output Power, Light-Overload Use | 75 kW |
| Output Power, Normal Use | 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 | Relative Loss | Efficiency |
|-------------------------------------|---------------|---------------|------------|
| 0 / 25 % | 505 W | 0.5 % | 91.5 % |
| 0 / 50 % | 692 W | 0.7 % | 93.8 % |
| 0 / 100 % | 1238 W | 1.2 % | 94.4 % |
| 50 / 25 % | 557 W | 0.6 % | 95.3 % |
| 50 / 50 % | 791 W | 0.8 % | 96.5 % |
| 50 / 100 % | 1470 W | 1.5 % | 96.7 % |
| 90 / 50 % | 946 W | 0.9 % | 97.7 % |
| 90 / 100 % | 1960 W | 2.0 % | 97.5 % |

| | |
|--------------------|---------------|
| Temperature Rating | Maximum 40 °C |
|--------------------|---------------|

Additional Information

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

Classifications

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

Environmental

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

Categories

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



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