

PRODUCT-DETAILS

ACS580-04-820A-4+D150

LV AC general purpose drive module, IEC: Pn 450 kW, 820 A (ACS580-04-820A-4+D150)



| General Information | |
|-------------------------|---|
| Global Commercial Alias | ACS580-04-820A-4+D150 |
| Product ID | 3ABD00050202-D |
| ABB Type Designation | ACS580-04-820A-4+D150 |
| Catalog Description | LV AC general purpose drive module, IEC: Pn 450 kW, 820 A (ACS580-04-820A-4+D150) |
| Long Description | <p>The ACS580-04 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. A versatile and straightforward settings menu and assistants enable fast setup, commissioning, use, and maintenance, while a 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 ACS580-04 drive module comes in an IP00 enclosure as standard for cabinet installation. In addition, an IP20 enclosure is available.</p> |

| Ordering | |
|------------------------|---|
| Country of Origin | China (CN) |
| Customs Tariff Number | 85044099 |
| Invoice Description | ACS580-04-820A-4+D150 PN: 450kW, IN: 820A |
| Made To Order | No |
| Minimum Order Quantity | 1 piece |
| Order Multiple | 1 piece |

| | |
|-------------------------|-------|
| Quote Only | No |
| Selling Unit of Measure | piece |

Container Information

| | |
|--------------|-------|
| Gross Volume | 0 dm³ |
|--------------|-------|

Dimensions

| | |
|--------------------------------|----------|
| Product Net Weight | 199 kg |
| Product Net Depth / Length | 529 mm |
| Product Net Height | 1662 mm |
| Product Net Width | 345 mm |
| Package Level 1 Depth / Length | 1000 mm |
| Package Level 1 Height | 500 mm |
| Package Level 1 Width | 400 mm |
| Package Level 1 Units | 0 carton |

Technical

| | |
|---|------------------|
| Number of Phases | 3 |
| Degree of Protection | IP00 |
| Enclosure Type NEMA | Open Type |
| Frequency (f) | 47.5 ... 63 Hz |
| Frame Size | R11 |
| Input Voltage (U _{in}) | 380 ... 500 V |
| Mounting Type | Module_NO UNIT\$ |
| Output Current, Heavy-Duty Use (I _{HD}) | 625 A |
| Output Current, Light-Overload Use (I _{LD}) | 810 A |
| Output Current, Normal Use (I _n) | 820 A |
| Output Power, Heavy-Duty Use (P _{HD}) | 355 kW |
| Output Power, Light-Overload Use (P _{LD}) | 450 kW |
| Output Power, Normal Use (P _n) | 450 kW |
| Efficiency Level | IE2 |
| Complete Drive Module Efficiency (61800-9-2) | |

| Operating Point Frequency / Current | Absolute Loss | Relative Loss | Efficiency |
|--|------------------|------------------|------------|
| 0 / 25 % | 2551 W | 0.4 % | 93.4 % |
| 0 / 50 % | 3666 W | 0.5 % | 95.1 % |
| 0 / 100 % | 6680 W | 1.0 % | 95.5 % |
| 50 / 25 % | 2748 W | 0.4 % | 96.5 % |
| 50 / 50 % | 4097 W | 0.6 % | 97.3 % |
| 50 / 100 % | 7768 W | 1.1 % | 97.4 % |
| 90 / 50 % | 4753 W | 0.7 % | 98.3 % |
| 90 / 100 % | 9652 W | 1.4 % | 98.2 % |

Additional Information

| | |
|--------------|---------------------|
| Product Name | Frequency Converter |
|--------------|---------------------|

Classifications

| | |
|--------|----------|
| UNSPSC | 39122001 |
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Environmental

| | |
|---------------|---|
| WEEE Category | 4. Large Equipment (Any External Dimension More Than 50 cm) |
|---------------|---|

Categories

Drives → Low Voltage AC Drives → General Purpose Drives → ACS580-04 - Drive module

