

PRODUCT-DETAILS

ACS180-04N-045A-4

LV AC machinery drive module, IEC: Pn 22 kW, 45 A (ACS180-04N-045A-4)



| General Information | |
|-------------------------|--|
| Global Commercial Alias | ACS180-04N-045A-4 |
| Product ID | 3AXD50000814398 |
| ABB Type Designation | ACS180-04N-045A-4 |
| Catalog Description | LV AC machinery drive module, IEC: Pn 22 kW, 45 A (ACS180-04N-045A-4) |
| Long Description | The ACS180 is a compact, robust, and adaptable variable speed drive (VSD) for applications such as pumps, fans, compressors, conveyors, winders and mixers. This easy-to-use compact VSD offers excellent performance and quality at superior value with all essential machinery application features embedded. And as a member of ABB's all-compatible drives portfolio, it shares the same architecture and user interfaces for ease of use. |

| Ordering | |
|------------------------|-------------------------------------|
| Country of Origin | China (CN) |
| Customs Tariff Number | 85044099 |
| Invoice Description | ACS180-04N-045A-4 PN: 22kW, IN: 45A |
| Made To Order | No |
| Minimum Order Quantity | 1 piece |
| Order Multiple | 1 piece |

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

Dimensions

| | |
|--------------------------------|----------|
| Product Net Weight | 5.3 kg |
| Product Net Depth / Length | 178 mm |
| Product Net Height | 205 mm |
| Product Net Width | 260 mm |
| Package Level 1 Depth / Length | 225 mm |
| Package Level 1 Height | 115 mm |
| Package Level 1 Width | 220 mm |
| Package Level 1 Units | 1 carton |

Technical

| | |
|---|------------------|
| Number of Phases | 3 |
| Degree of Protection | IP20 |
| Enclosure Type NEMA | Open Type |
| Frequency (f) | 47.5 ... 63 Hz |
| Frame Size | R4 |
| Input Voltage (U_{in}) | 380 ... 480 V |
| Mounting Type | Module_NO UNIT\$ |
| Output Current, Heavy-Duty Use (I_{HD}) | 38 A |
| Output Current, Light-Overload Use (I_{LD}) | 42 A |
| Output Current, Normal Use (I_n) | 45 A |
| Output Power, Heavy-Duty Use (P_{HD}) | 18.5 kW |
| Output Power, Light-Overload Use (P_{LD}) | 22 kW |
| Output Power, Normal Use (P_n) | 22 kW |
| Efficiency Level | IE2 |
| Complete Drive Module Efficiency (61800-9-2) | |

| Operating Point Frequency / Current | Absolute Loss | Relative Loss | Efficiency |
|--|------------------|------------------|------------|
| 0 / 25 % | 189 W | 0.6 % | 89.7 % |
| 0 / 50 % | 253 W | 0.8 % | 92.6 % |
| 0 / 100 % | 452 W | 1.4 % | 93.4 % |
| 50 / 25 % | 201 W | 0.6 % | 94.5 % |
| 50 / 50 % | 277 W | 0.9 % | 96.0 % |
| 50 / 100 % | 509 W | 1.6 % | 96.3 % |
| 90 / 50 % | 311 W | 1.0 % | 97.5 % |
| 90 / 100 % | 587 W | 1.9 % | 97.6 % |

Additional Information

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|--------------|---------------------|
| Product Name | FREQUENCY CONVERTER |
|--------------|---------------------|

Classifications

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

| | |
|---------------|--|
| SCIP | a7e9add0-620e-4316-8bd6-c358d91bc66b Finland (FI) |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |

Categories

Drives → Low Voltage AC Drives → Machinery Drives → ACS180 - Machinery Drive

