

PRODUCT-DETAILS

ACS180-04S-15A6-2

LV AC machinery drive module, IEC: Pn 3 kW, 15.6 A (ACS180-04S-15A6-2)



| General Information | |
|-------------------------|--|
| Global Commercial Alias | ACS180-04S-15A6-2 |
| Product ID | 3AXD50000822225 |
| ABB Type Designation | ACS180-04S-15A6-2 |
| Catalog Description | LV AC machinery drive module, IEC: Pn 3 kW, 15.6 A (ACS180-04S-15A6-2) |
| 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 | ACS180-04S-15A6-2 PN: 3kW, IN: 15.6A |
| 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 | 2.2 dm³ |
|--------------|---------|

Dimensions

| | |
|--------------------------------|----------|
| Product Net Weight | 1.71 kg |
| Product Net Depth / Length | 143 mm |
| Product Net Height | 202 mm |
| Product Net Width | 120 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 | R2 |
| Input Voltage (U_{in}) | 200 ... 240 V |
| Mounting Type | Module_NO UNIT\$ |
| Output Current, Heavy-Duty Use (I_{HD}) | 10.7 A |
| Output Current, Light-Overload Use (I_{LD}) | 14.6 A |
| Output Current, Normal Use (I_n) | 15.6 A |
| Output Power, Heavy-Duty Use (P_{HD}) | 2.2 kW |
| Output Power, Light-Overload Use (P_{LD}) | 3 kW |
| Output Power, Normal Use (P_n) | 3 kW |
| Efficiency Level | IE2 |
| Complete Drive Module Efficiency (61800-9-2) | |

| Operating Point Frequency / Current | Absolute Loss | Relative Loss | Efficiency |
|--|------------------|------------------|------------|
| 0 / 25 % | 68 W | 1.1 % | 82.9 % |
| 0 / 50 % | 82 W | 1.3 % | 88.6 % |
| 0 / 100 % | 116 W | 1.9 % | 91.0 % |
| 50 / 25 % | 73 W | 1.2 % | 90.4 % |
| 50 / 50 % | 91 W | 1.5 % | 93.6 % |
| 50 / 100 % | 137 W | 2.2 % | 94.7 % |
| 90 / 50 % | 105 W | 1.7 % | 95.8 % |
| 90 / 100 % | 168 W | 2.7 % | 96.3 % |

Additional Information

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

Classifications

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

Environmental

| | |
|---------------|--|
| SCIP | 40922a0b-ac0b-46c4-8517-b1d36d17a369 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

