



 PRODUCT-DETAILS

ACS180-04N-05A6-4

LV AC machinery drive module, IEC: Pn 2.2 kW,
5.6 A (ACS180-04N-05A6-4)



General Information

| | |
|-------------------------|--|
| Global Commercial Alias | ACS180-04N-05A6-4 |
| Product ID | 3AXD50000662470 |
| ABB Type Designation | ACS180-04N-05A6-4 |
| Catalog Description | LV AC machinery drive module, IEC: Pn 2.2 kW, 5.6 A (ACS180-04N-05A6-4) |
| 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

| | |
|------------------------|---|
| Customs Tariff Number | 85044099 |
| HS Code | 850440-- Electrical transformers, static converters (for example, rectifiers) and inductors.- Static converters |
| Invoice Description | ACS180-04N-05A6-4 PN: 2.2kW, IN: 5.6A |
| 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 | 1.24 kg |
| Product Net Depth / Length | 143 mm |
| Product Net Height | 220 mm |
| Product Net Width | 70 mm |
| Package Level 1 Depth / Length | 215 mm |
| Package Level 1 Height | 115 mm |
| Package Level 1 Width | 230 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 | R1 |
| Input Voltage (U_{in}) | 380 ... 480 V |
| Mounting Type | Module_NO UNIT\$ |
| Output Current, Normal Use (I_n) | 5.6 A |
| Output Current, Light-Overload Use (I_{LD}) | 5.3 A |
| Output Current, Heavy-Duty Use (I_{HD}) | 4 A |
| Output Power, Normal Use (P_n) | 2.2 kW |
| Output Power, Light-Overload Use (P_{LD}) | 2.2 kW |
| Output Power, Heavy-Duty Use (P_{HD}) | 1.5 kW |
| Apparent Power Output | 3.9 kV-A |
| Efficiency Level | IE2 |
| Standby Loss | 9 W |
| Complete Drive Module Efficiency (61800-9-2) | |

| Operating Point Frequency / Current | Absolute Loss | Relative Loss | Efficiency |
|--|------------------|------------------|------------|
| 0 / 25 % | 30 W | 0.8 % | 87.2 % |
| 0 / 50 % | 36 W | 0.9 % | 91.8 % |
| 0 / 100 % | 50 W | 1.3 % | 93.7 % |
| 50 / 25 % | 32 W | 0.8 % | 93.1 % |
| 50 / 50 % | 39 W | 1.0 % | 95.5 % |
| 50 / 100 % | 57 W | 1.5 % | 96.4 % |
| 90 / 50 % | 44 W | 1.1 % | 97.1 % |
| 90 / 100 % | 68 W | 1.8 % | 97.6 % |

Temperature Rating

Maximum 40 °C

External Classifications and Standards

UNSPSC

39122001

Environmental

SCIP

5d07f008-496e-4abd-8f50-616cb485c791 Finland (FI)

WEEE Category

5. Small Equipment (No External Dimension More Than 50 cm)

Additional Information

Product Name

FREQUENCY CONVERTER

Categories

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

