



PRODUCT-DETAILS

ACS180-04S-01A8-4

LV AC machinery drive module, IEC: Pn 0.55 kW, 1.8 A (ACS180-04S-01A8-4)



| General Information | |
|-------------------------|--|
| Global Commercial Alias | ACS180-04S-01A8-4 |
| Product ID | 3AXD50000662562 |
| ABB Type Designation | ACS180-04S-01A8-4 |
| Catalog Description | LV AC machinery drive module, IEC: Pn 0.55 kW, 1.8 A (ACS180-04S-01A8-4) |
| 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 | ACS180-04S-01A8-4 PN: 0.55kW, IN: 1.8A |
| 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 | 0.92 kg |
| Product Net Depth / Length | 143 mm |
| Product Net Height | 209 mm |
| Product Net Width | 70 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 | R0 |
| Input Voltage (U_{in}) | 380 ... 480 V |
| Mounting Type | Module_NO UNIT\$ |
| Output Current, Normal Use (I_n) | 1.8 A |
| Output Current, Light-Overload Use (I_{LD}) | 1.7 A |
| Output Current, Heavy-Duty Use (I_{HD}) | 1.2 A |
| Output Power, Normal Use (P_n) | 0.55 kW |
| Output Power, Light-Overload Use (P_{LD}) | 0.55 kW |
| Output Power, Heavy-Duty Use (P_{HD}) | 0.37 kW |
| Apparent Power Output | 1.2 kV-A |
| Efficiency Level | IE2 |
| Standby Loss | 7 W |
| Complete Drive Module Efficiency (61800-9-2) | |

| Operating Point Frequency / Current | Absolute Loss | Relative Loss | Efficiency |
|--|------------------|------------------|------------|
| 0 / 25 % | 15 W | 1.2 % | 84.1 % |
| 0 / 50 % | 16 W | 1.2 % | 88.8 % |
| 0 / 100 % | 18 W | 1.4 % | 92.5 % |
| 50 / 25 % | 16 W | 1.3 % | 91.4 % |
| 50 / 50 % | 16 W | 1.3 % | 94.0 % |
| 50 / 100 % | 19 W | 1.6 % | 95.9 % |
| 90 / 50 % | 18 W | 1.4 % | 96.3 % |
| 90 / 100 % | 22 W | 1.8 % | 97.4 % |

Temperature Rating

Maximum 40 °C

External Classifications and Standards

UNSPSC

39122001

Environmental

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

