



 PRODUCT-DETAILS

ACS180-04S-04A8-1

LV AC machinery drive module, IEC: Pn 0.75 kW, 4.8 A, 230 V, UL: Pld 1 Hp, 4.6 A, 230 V (ACS180-04S-04A8-1)



General Information

| | |
|-------------------------|--|
| Global Commercial Alias | ACS180-04S-04A8-1 |
| Product ID | 3AXD50000716586 |
| ABB Type Designation | ACS180-04S-04A8-1 |
| EAN | 6438177649151 |
| Catalog Description | LV AC machinery drive module, IEC: Pn 0.75 kW, 4.8 A, 230 V, UL: Pld 1 Hp, 4.6 A, 230 V (ACS180-04S-04A8-1) |
| Long Description | The ACS180 is a compact and robust 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 | 85044085 |
| HS Code | 850440-- Electrical transformers, static converters (for example, rectifiers) and inductors.- Static converters |
| Invoice Description | ACS180-04S-04A8-1 PN: 0.75 kW, IN: 4.8 A |
| Made To Order | Yes |
| Minimum Order Quantity | 1 piece |
| Order Multiple | 1 piece |

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

Dimensions

| | |
|--------------------------------|---------------------|
| Product Net Weight | 0.92 kg 2.028 lb |
| Product Net Depth / Length | 143 mm 5.630 in |
| Product Net Height | 209 mm 8.228 in |
| Product Net Width | 70 mm 2.756 in |
| Package Level 1 Depth / Length | 225 mm 8.858 in |
| Package Level 1 Height | 115 mm 4.528 in |
| Package Level 1 Width | 220 mm 8.661 in |
| Package Level 1 Units | 1 carton |

Certificates and Declarations

| | |
|--------------------------------|--|
| Declaration of Conformity - CE | 3AXD10001117584 |
| REACH Date | 20241203 |
| REACH Declaration | 9AKK107992A7060 |
| REACH Information | True - contains substances > 0.1 mass percentage |
| RoHS Date | 20230321 |
| RoHS Information | 3AXD10001117584 |
| RoHS Status | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |

Technical

| | |
|----------------------------------|---|
| Number of Phases | 1 |
| Degree of Protection | IP20 |
| Enclosure Type NEMA | Open Type |
| Altitude | 2000 m 5 ... 95 |
| Power Factor | 0.98 |
| Multiple Battery Information | No battery / cell included |
| Frequency (f) | 47 ... 63 Hz |
| Frame Size | R0 |
| Input Voltage (U _{in}) | 200 ... 240 V |
| Mounting Type | Module |
| Communication Protocol | MODBUS |
| Number of Hardware Interfaces | Industrial Ethernet 0 Other 1 Parallel 0 PROFINET 0 RS-232 0 RS-422 0 RS-485 1 Serial TTY 0 USB 0 |
| Includes | Control unit PC connection |
| Analog Inputs | 2 |
| Analog Outputs | 1 |
| Number of Digital | 4 / 2 |

In/Outputs

| | |
|---|----------|
| Output Current, Normal Use (I_n) | 4.8 A |
| Output Current, Light-Overload Use (I_{LD}) | 4.6 A |
| Output Current, Heavy-Duty Use (I_{HD}) | 3.5 A |
| Output Power, Normal Use (P_n) | 0.75 kW |
| Output Power, Light-Overload Use (P_{LD}) | 0.75 kW |
| Output Power, Heavy-Duty Use (P_{HD}) | 0.55 kW |
| | 48 W |
| Apparent Power Output Complete Drive Module Efficiency (IEC61800-9-2) | 1.9 kV-A |

| Operating Point Frequency / Current |
|--|
| 0/25 % |
| 0/50 % |
| 0/100 % |
| 50/25 % |
| 50/50 % |
| 50/100 % |
| 90/50 % |
| 90/100 % |

Technical UL

| | |
|---|---------|
| Output Current, Heavy-Duty Use (UL) | 3.7 A |
| Output Current, Light-Overload Use (UL) | 4.6 A |
| Output Current, Normal Use (UL) | - A |
| Output Power, Heavy-Duty Use (UL) | 0.75 Hp |
| Output Power, Light-Overload Use (UL) | 1 Hp |
| Output Power, Normal Use (UL) | 1 Hp |

External Classifications and Standards

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|--------|--|
| ETIM 9 | EC001857 - Frequency converter =< 1 kV |
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Environmental

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|---------------|--|
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |
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Categories

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

