

PRODUCT-DETAILS

ACS180-04S-07A8-1

LV AC machinery drive module, IEC: Pn 1.5 kW, 7.8 A, 230 V, UL: Pld 2 Hp, 7.5 A, 230 V (ACS180-04S-07A8-1)



General Information

| | |
|-------------------------|--|
| Global Commercial Alias | ACS180-04S-07A8-1 |
| Product ID | 3AXD50000716609 |
| ABB Type Designation | ACS180-04S-07A8-1 |
| EAN | 6438177649175 |
| Catalog Description | LV AC machinery drive module, IEC: Pn 1.5 kW, 7.8 A, 230 V, UL: Pld 2 Hp, 7.5 A, 230 V (ACS180-04S-07A8-1) |
| 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

| | |
|------------------------|---|
| Country of Origin | China (CN) Finland (FI) |
| Customs Tariff Number | 85044085 |
| Invoice Description | ACS180-04S-07A8-1 PN: 1.5 kW, IN: 7.8 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 | 1.24 kg 2.734 lb |
| Product Net Depth / Length | 143 mm 5.630 in |
| Product Net Height | 220 mm 8.661 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 |

| | |
|---|---|
| Technical | |
| Number of Phases | 1 |
| Degree of Protection | IP20 |
| Enclosure Type NEMA | Open Type |
| Altitude | 1000 m |
| Power Factor | 0.98 |
| Frequency (f) | 47 ... 63 Hz |
| Frame Size | R1 |
| Input Voltage (U _{in}) | 200 ... 240 V |
| 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 In/Outputs | 4 / 2 |
| Output Current, Heavy-Duty Use (I _{HD}) | 6.6 A |
| Output Current, Light-Overload Use (I _{LD}) | 7.5 A |
| Output Current, Normal Use (I _n) | 7.8 A |
| Output Power, Heavy-Duty Use (P _{HD}) | 1.1 kW |

| | |
|---|--------|
| Output Power, Light-Overload Use (P_{LD}) | 1.5 kW |
| Output Power, Normal Use (P_n) | 1.5 kW |
| Complete Drive Module Efficiency (61800-9-2) | |

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

Additional Information

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|-------------------|---------------------|
| Product Main Type | ACS180-04S |
| Product Name | Frequency converter |

Classifications

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|--------|--|
| ETIM 8 | EC001857 - Frequency converter =< 1 kV |
| ETIM 9 | EC001857 - Frequency converter =< 1 kV |

Environmental

| | |
|---------------|--|
| SCIP | 030cdeeb-e61c-40db-b392-d77adebb2036 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

