

PRODUCT-DETAILS

# ACS180-04N-09A8-1

LV AC machinery drive module, IEC: Pn 2.2 kW, 9.8 A, 230 V, UL: Pld 3 Hp, 9.8 A, 230 V (ACS180-04N-09A8-1)



## General Information

|                         |  |
|-------------------------|--|
| Global Commercial Alias | ACS180-04N-09A8-1  |
| Product ID              | 3AXD50000716388  |
| ABB Type Designation    | ACS180-04N-09A8-1  |
| EAN                     | 6438177648932  |
| Catalog Description     | LV AC machinery drive module, IEC: Pn 2.2 kW, 9.8 A, 230 V, UL: Pld 3 Hp, 9.8 A, 230 V (ACS180-04N-09A8-1)   |
| 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  | 85044085                                |
| Invoice Description    | ACS180-04N-09A8-1 PN: 2.2 kW, IN: 9.8 A |
| Made To Order          | Yes                                     |
| Minimum Order Quantity | 1 piece                                 |
| Order Multiple         | 1 piece                                 |

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

Container Information

|              |          |
|--------------|----------|
| Gross Volume | 0.022 hl |
|--------------|----------|

Dimensions

|                                |                     |
|--------------------------------|---------------------|
| Product Net Weight             | 1.24 kg<br>2.734 lb |
| Product Net Depth / Length     | 143 mm<br>5.630 in  |
| Product Net Height             | 220 mm<br>8.661 in  |
| Product Net Width              | 70 mm<br>2.756 in   |
| Package Level 1 Depth / Length | 225 mm<br>8.858 in  |
| Package Level 1 Height         | 115 mm<br>4.528 in  |
| Package Level 1 Width          | 220 mm<br>8.661 in  |

Technical

|   |   |
|---|---|
| Number of Phases                                  | 1   |
| Degree of Protection                              | IP20  |
| Enclosure Type NEMA                               | Open Type   |
| Altitude  | 1000 m  |
| Power Factor                                      | 0.98  |
| Sound dB (A)                                      | 51.80 dB(A)   |
| Frequency (f)                                     | 47 ... 63 Hz  |
| Frame Size  | R1  |
| Input Voltage (U <sub>in</sub> )                  | 200 ... 240 V   |
| Communication Protocol                            | MODBUS  |
| Number of Hardware Interfaces                     | Industrial Ethernet 0<br>Other 1<br>Parallel 0<br>PROFINET 0<br>RS-232 0<br>RS-422 0<br>RS-485 1<br>Serial TTY 0<br>USB 0 |
| Includes  | Control unit<br>PC connection   |
| Analog Inputs                                     | 2   |
| Analog Outputs                                    | 1   |
| Number of Digital In/Outputs                      | 4 / 2   |
| Output Current, Heavy-Duty Use (I <sub>HD</sub> ) | 7.5 A   |
| Output Current, Light-                            | 9.3 A   |

|   |        |
|---|--------|
| Overload Use ( $I_{LD}$ )                     |        |
| Output Current, Normal Use ( $I_n$ )          | 9.8 A  |
| Output Power, Heavy-Duty Use ( $P_{HD}$ )     | 1.5 kW |
| Output Power, Light-Overload Use ( $P_{LD}$ ) | 2.2 kW |
| Output Power, Normal Use ( $P_n$ )            | 2.2 kW |
| Complete Drive Module Efficiency (61800-9-2)  |        |
| Operating Point<br>Frequency / Current        |        |
| 0/25 %  |        |
| 0/50 %  |        |
| 0/100 %                                       |        |
| 50/25 %                                       |        |
| 50/50 %                                       |        |
| 50/100 %                                      |        |
| 90/50 %                                       |        |
| 90/100 %                                      |        |

Additional Information

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

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

