



 PRODUCT-DETAILS

ACS180-04N-03A7-1

LV AC machinery drive module, IEC: Pn 0.55 kW, 3.7 A, 230 V, UL: Pld 0.75 Hp, 3.5 A, 230 V (ACS180-04N-03A7-1)



General Information

| | |
|---------------------------------|--|
| Global Commercial Alias: | ACS180-04N-03A7-1 |
| Product ID: | 3AXD50000716340 |
| ABB Type Designation: | ACS180-04N-03A7-1 |
| EAN: | 6438177648895 |
| Catalog Description: | LV AC machinery drive module, IEC: Pn 0.55 kW, 3.7 A, 230 V, UL: Pld 0.75 Hp, 3.5 A, 230 V (ACS180-04N-03A7-1) |
| 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. |
| Display Name: | ACS180-04N-03A7-1 |

Ordering

| | |
|---------------------------------|--|
| Customs Tariff Number: | 85044087 |
| HS Code: | 850440 -- ELECTRICAL MACHINERY AND EQUIPMENT AND PARTS THEREOF; SOUND RECORDERS AND REPRODUCERS, TELEVISION IMAGE AND SOUND RECORDERS AND REPRODUCERS, AND PARTS AND ACCESSORIES OF SUCH ARTICLES;Electrical transformers, static converters (for example, rectifiers) and inductors;Static converters |
| Invoice Description: | ACS180-04N-03A7-1 PN: 0.55 kW, IN: 3.7 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 |

Technical

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

| | |
|------------------------------|-----------|
| Number of Phases: | 1-phase |
| Degree of Protection: | IP20 |
| Enclosure Type NEMA: | Open Type |

| | |
|---|---|
| Altitude: | 2000 m |
| Operating Humidity (RH_{amb}): | 5 ... 95 |
| Power Factor: | 0.98 |
| Sound dB (A): | - dB(A) |
| 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 In/Outputs: | 4 / 2 |
| Output Current, Normal Use (I_n): | 3.7 A |
| Output Current, Light-Overload Use (I_{LD}): | 3.5 A |
| Output Current, Heavy-Duty Use (I_{HD}): | 2.4 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: | 1.5 kV-A |

Technical UL

| | |
|---|---------|
| Output Current, Heavy-Duty Use (UL): | 2.4 A |
| Output Current, Light-Overload Use (UL): | 3.5 A |
| Output Power, Heavy-Duty Use (UL): | 0.5 Hp |
| Output Power, Light-Overload Use (UL): | 0.75 Hp |

Certificates and Declarations

| | |
|---------------------------|-----------------|
| REACH Date: | 20250905 |
| REACH Declaration: | 9AKK107992A7060 |

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|---------------------------|--|
| REACH Information: | True - contains substances > 0.1 mass percentage |
| RoHS Date: | 20250106 |
| RoHS Declaration: | 3AXD10001117584 |
| RoHS Information: | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |

Environmental

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|-----------------------|--|
| SCIP: | 8df33f0d-6fb9-4799-9075-9031a17c1386 Finland |
| WEEE Category: | 5. Small Equipment (No External Dimension More Than 50 cm) |

Categories

Products > Drives > Low Voltage AC Drives > Machinery Drives > ACS180 - Machinery Drive

