



PRODUCT-DETAILS

ACH480-04-17A5-2

LV AC drive module for HVAC, IEC: Pn 4 kW,
17.5 A, 200 V (ACH480-04-17A5-2)



| General Information | |
|-------------------------|-----------------------------------------------------------------------------|
| Global Commercial Alias | ACH480-04-17A5-2 |
| Product ID | 3AXD50000555895 |
| ABB Type Designation | ACH480-04-17A5-2 |
| EAN | 6438177654407 |
| Catalog Description | LV AC drive module for HVAC, IEC: Pn 4 kW, 17.5 A, 200 V (ACH480-04-17A5-2) |

| Ordering | |
|-------------------------|-----------------------------------------|
| Country of Origin | China (CN) Finland (FI) |
| Customs Tariff Number | 85044086 |
| Invoice Description | ACH480-04-17A5-2 PN: 4.0 kW, IN: 17.5 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 | 7.871 dm ³ |
|--------------|-----------------------|

Dimensions

| | |
|--------------------------------|---------------------|
| Product Net Weight | 2.5 kg 5.512 lb |
| Product Net Depth / Length | 208 mm 8.189 in |
| Product Net Height | 220 mm 8.661 in |
| Product Net Width | 172 mm 6.772 in |
| Package Level 1 Depth / Length | 284 mm 11.181 in |
| Package Level 1 Height | 273 mm 10.748 in |
| Package Level 1 Width | 250 mm 9.843 in |

Technical

| | |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Number of Phases | 3 |
| Degree of Protection | IP20 |
| Enclosure Type NEMA | Open Type |
| Sound dB (A) | 65.80 dB(A) |
| Multiple Battery Information | Lithium Coin, CR2032, 220 mAh, 3 V, 1 pc, 3 g |
| Frame Size | R3 |
| Communication Protocol | BACNET CAN DeviceNet EtherNet/IP LON MODBUS Other Bus Systems PROFIBUS PROFINET IO TCP/IP |
| Number of Hardware Interfaces | Industrial Ethernet 0 Other 2 Parallel 0 PROFINET 0 RS-232 0 RS-422 0 RS-485 1 Serial TTY 0 USB 1 |
| Includes | Control unit PC connection |
| Analog Inputs | 2 |
| Analog Outputs | 2 |
| Number of Digital In/Outputs | 6 / 3 |
| Output Current, Heavy-Duty Use (I_{HD}) | 12.2 A |
| Output Current, Light-Overload Use (I_{LD}) | 16.7 A |
| Output Current, Normal | 17.5 A |

| | |
|---------------------------|-----------|
| Use (I_n) | |
| Output Power, Heavy- | 3.0 kW |
| Duty Use (P_{HD}) | |
| Output Power, Light- | 4.0 kW |
| Overload Use (P_{LD}) | |
| Output Power, Normal | 4 kW |
| Use (P_n) | |
| Apparent Power Output | 12.1 kV·A |
| Efficiency Level | IE2 |
| 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 % | |
| 90/100 % | |

| | |
|--------------------|---------------|
| Temperature Rating | Maximum 50 °C |
|--------------------|---------------|

| Additional Information | |
|------------------------|-----------|
| Product Main Type | ACH480-04 |
| Product Name | Base unit |

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

| Categories | |
|-----------------------------------------------------------------------------------------------------------------|--|
| Drives → Low Voltage AC Drives → Industry-Specific Drives → Drives for HVAC → ACH480-04 - Drive module for HVAC | |

