



 PRODUCT-DETAILS

ACH580-01-026A-4

LV AC wall-mounted drive for HVAC, IEC: Pn 11 kW, 25 A, 400 V, UL: Pld 15 Hp, 21.0 A (ACH580-01-026A-4)



General Information

| | |
|-------------------------|------------------|
| Global Commercial Alias | ACH580-01-026A-4 |
| Product ID | 3AXD50000038994 |
| ABB Type Designation | ACH580-01-026A-4 |
| EAN | 6438177459491 |

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|---------------------|---|
| Catalog Description | LV AC wall-mounted drive for HVAC, IEC: Pn 11 kW, 25 A, 400 V, UL: Pld 15 Hp, 21.0 A (ACH580-01-026A-4) |
|---------------------|---|

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|------------------|--|
| Long Description | <p>ACH580 HVAC drive offering has all key features built-in to control fans, pumps and compressors, and more complex equipment like air-handling units and chillers, ensuring smooth, energy-efficient operation of your HVAC systems in normal and mission-critical situations. The built-in features significantly reduce installation time and the intuitive control panel with an HVAC-specific primary settings menu and help assistants makes startup, commissioning and operation easy. The optional Bluetooth® capability enables the commissioning and monitoring of the drive from a distance. The ACH580-01 comes in IP21 enclosure and can be installed on the wall as standard. Also, IP55 and flange mounting units are available.</p> |
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Ordering

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|-------------------|------------------------------|
| Country of Origin | Romania (RO) Finland (FI) |
|-------------------|------------------------------|

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|-------------------------|---|
| | China (CN) |
| Customs Tariff Number | 85044086 |
| HS Code | 850440-- Electrical transformers, static converters (for example, rectifiers) and inductors.- Static converters |
| Invoice Description | ACH580-01-026A-4 PN: 11.0 kW, IN: 25 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 | 14.551 lb |
| Product Net Depth / Length | 9.02 in |
| Product Net Height | 18.62 in |
| Product Net Width | 4.92 in |
| Package Level 1 Depth / Length | 225.00 mm 8.858 in |
| Package Level 1 Height | 370.00 mm 14.567 in |
| Package Level 1 Width | 621.00 mm 24.449 in |
| Package Level 1 Units | 1 carton |

Technical

| | |
|----------------------------------|---|
| Number of Phases | 3 |
| Degree of Protection | IP21 |
| Enclosure Type NEMA | Type1 |
| Altitude | 1000 m 95 |
| Sound dB (A) | 64 dB(A) |
| Multiple Battery Information | Lithium Coin, CR2032, 220 mAh, 3 V, 1 pc, 3 g |
| Frequency (f) | 47.5 ... 63 Hz |
| Frame Size | R2 |
| Input Voltage (U _{in}) | 380 ... 480 V |
| Mounting Type | Wall-mounted |
| Communication Protocol | TCP/IP |
| Number of Hardware Interfaces | Industrial Ethernet 0 Other 2 Parallel 2 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, Normal | 25 A |

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|---|---------|
| Use (I_n) | |
| Output Current, Light- | 23.8 A |
| Overload Use (I_{LD}) | |
| Output Current, Heavy- | 17.0 A |
| Duty Use (I_{HD}) | |
| Output Power, Normal | 11 kW |
| Use (P_n) | |
| Output Power, Light- | 11.0 kW |
| Overload Use (P_{LD}) | |
| Output Power, Heavy- | 7.5 kW |
| Duty Use (P_{HD}) | |
| Apparent Power Output | 17 kV·A |
| Efficiency Level | IE2 |
| Standby Loss | 15 W |
| Complete Drive Module Efficiency (61800-9-2) | |

| Operating Point Frequency / Current | Absolute Loss | Efficiency | Relative Loss |
|--|------------------|------------|------------------|
| 0/25 % | 126 W | 87.9 % | 0.7 % |
| 0/50 % | 162 W | 91.6 % | 0.9 % |
| 0/100 % | 284 W | 92.6 % | 1.6 % |
| 50/25 % | 135 W | 93.4 % | 0.8 % |
| 50/50 % | 180 W | 95.4 % | 1.0 % |
| 50/100 % | 322 W | 95.8 % | 1.9 % |
| 90/50 % | 196 W | 97.1 % | 1.1 % |
| 90/100 % | 383 W | 97.2 % | 2.2 % |

| | |
|--------------------|---------------------------------|
| Temperature Rating | Maximum 40 °C Minimum -15 °C |
|--------------------|---------------------------------|

Technical UL

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|---|--------|
| Output Current, Heavy-Duty Use (UL) | 14.0 A |
| Output Current, Light-Overload Use (UL) | 21.0 A |
| Output Power, Light-Overload Use (UL) | 15 Hp |

External Classifications and Standards

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|--------|--|
| ETIM 8 | EC001857 - Frequency converter =< 1 kV |
| ETIM 9 | EC001857 - Frequency converter =< 1 kV |
| UNSPSC | 39122001 |

Environmental

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|---------------|--|
| SCIP | 4a4ed2db-43e7-4612-8e9c-3921e4acd08b Finland (FI) |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |

Additional Information

Product Name

Frequency converter

Categories

Drives → Low Voltage AC Drives → Industry-Specific Drives → Drives for HVAC → ACH580-01 - Wall-mounted drive for HVAC

