



 PRODUCT-DETAILS

ACH480-04-25A0-2

LV AC drive module for HVAC, IEC: Pn 5.5 kW,
25 A, 200 V (ACH480-04-25A0-2)



General Information

Global Commercial Alias	ACH480-04-25A0-2
Product ID	3AXD50000555901
ABB Type Designation	ACH480-04-25A0-2
EAN	6438177654513
Catalog Description	LV AC drive module for HVAC, IEC: Pn 5.5 kW, 25 A, 200 V (ACH480-04-25A0-2)
Long Description	<p>The cabinet-optimized ACH480 drive has complete HVAC functionality to control fans, pumps, compressors, and more complex HVAC equipment like air-handling units, 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.</p> <p>The ACH480 is especially a good fit for panel builders and OEMs.</p>

Ordering

Country of Origin	China (CN)
Customs Tariff Number	85044086
HS Code	850440-- Electrical transformers, static converters (for example, rectifiers) and inductors.- Static converters

Invoice Description	ACH480-04-25A0-2 PN: 5.5 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	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
Package Level 1 Units	1 carton

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
Frequency (f)	47.5 ... 63 Hz
Frame Size	R3
Input Voltage (U _{in})	200 ... 240 V
Mounting Type	Module
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})	17.5 A
Output Current, Light-Overload Use (I_{LD})	24.2 A
Output Current, Normal Use (I_n)	25 A
Output Power, Heavy-Duty Use (P_{HD})	4.0 kW
Output Power, Light-Overload Use (P_{LD})	5.5 kW
Output Power, Normal Use (P_n)	5.5 kW
Apparent Power Output	17.3 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
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Environmental

WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
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Additional Information

Product Name	Base unit
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Categories

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

