



PRODUCT-DETAILS

ACH580-01-024A-2

ACH580-01-024A-2 PN: 5.5 kW, IN: 24 A

General Information

Global Commercial Alias	ACH580-01-024A-2
Product ID	3AXD50000215607
ABB Type Designation	ACH580-01-024A-2
EAN	6438177522126
Catalog Description	ACH580-01-024A-2 PN: 5.5 kW, IN: 24 A

Additional Information

ABB Type Designation	ACH580-01-024A-2
Altitude	1000 m
Analog Inputs	2
Analog Outputs	2
Apparent Power Output	9.6 kV-A
CN8	85044084
Communication Protocol	BACNET CAN DeviceNet EtherNet/IP LON MODBUS Other Bus Systems PROFIBUS PROFINET IO TCP/IP

Complete Drive Module
Efficiency (61800-9-2)

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	79 W	86.6 %	0.8 %
0/50 %	99 W	90.9 %	1.0 %
0/100 %	166 W	92.2 %	1.7 %
50/25 %	85 W	92.6 %	0.9 %
50/50 %	112 W	94.8 %	1.2 %
50/100 %	195 W	95.5 %	2.0 %
90/50 %	130 W	96.6 %	1.3 %
90/100 %	247 W	96.8 %	2.6 %

Country of Origin

Finland (FI)

Customs Tariff Number	85044084
Degree of Protection	acc. to IEC 60529 IP21
EAN	6438177522126
Efficiency Level	IE2
Enclosure Type NEMA	Type1
Environmental Conditions	Chemical Gas Tolerance acc. to IEC 60721-3-3 3C2 Pollution Degree acc. to IEC 61800-5-1 2 Solid Particle Tolerance acc. to IEC 60721-3-3 3S2
Four Quadrant Operation	No
Frame Size	R2
Frequency (f)	47 ... 63 Hz
Global Commercial Alias	ACH580-01-024A-2
Gross Volume	13.51 dm ³
Gross Weight	9 kg 19,842 lb
Integrated Breaking Resistance	No
Intended Field of Application	Domestic Industrial
Invoice Description	ACH580-01-024A-2 PN: 5.5 kW, IN: 24 A
Made To Order	Yes
Maximum Output Frequency	500 Hz
Medium Description	ACH580-01-024A-2 PN: 5.5 kW, IN: 24 A
Minimum Order Quantity	1 piece
Minimum Output Frequency	0 Hz
Module Function	LV AC wall-mounted drive for HVAC
Multiple Battery Information	Lithium Coin, CR2032, 220 mAh, 3 V, 1 pc, 3 g
Number of Digital In/Outputs	6 / 3
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
Number of Phases	3
	95
Order Multiple	1 piece
Output Current, Heavy-Duty Use (I_{HD})	16.7 A
Output Current, Light-Overload Use (I_{LD})	24.2 A
Output Current, Normal Use (I_N)	24.5 A
Output Power, Heavy-Duty Use (P_{HD})	4.0 kW
Output Power, Light-Overload Use (P_{LD})	5.5 kW
Output Power, Normal	5.5 kW

Use (P_n)

Output Voltage (U _{out})	0 ... 240 V
Output Voltage Maximum	240 V
Package Level 1 Depth / Length	225 mm
Package Level 1 Gross Weight	1.85 kg
Package Level 1 Height	370.00 mm 14.567 in
Package Level 1 Width	621.00 mm 24.449 in
Package Level 2 Depth / Length	8.858 in
Package Level 2 Gross Weight	4.079 lb
Package Level 2 Height	14.567 in
Package Level 2 Width	24.449 in
Product Main Type	ACH580-01
Product Name	Frequency converter
Product Net Depth / Length	229 mm 9.016 in
Product Net Height	473 mm 18.622 in
Product Net Weight	6.6 kg 14.551 lb
Product Net Width	125 mm 4.921 in
Product Type	ACH580-01
Quote Only	No
Selling Unit of Measure	piece
Short Description	ACH580-01-024A-2 PN: 5.5 kW, IN: 24 A
Sound dB (A)	64 dB(A)
Standby Loss	14 W
Stocked At (Warehouses)	Singapore, Singapore Beijing, China Singapore, Singapore Tokyo, Japan Australia, Australia
Symmetric Tolerance (% tol)	Relative Net Voltage 10 %
Temperature Rating	Maximum 40 °C Minimum -15 °C
Type of Converter	U Converter
WEEE B2C / B2B	Business To Business
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)