

PRODUCT-DETAILS

ACH531-01-02A6-4

LV AC wall-mounted drive for HVAC, IEC: Pn 0.75 kW, 2.6 A (ACH531-01-02A6-4)



General Information	
Global Commercial Alias	ACH531-01-02A6-4
Product ID	3ABD00046351
ABB Type Designation	ACH531-01-02A6-4
Catalog Description	LV AC wall-mounted drive for HVAC, IEC: Pn 0.75 kW, 2.6 A (ACH531-01-02A6-4)
Long Description	<p>The ACH531 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 a smooth, energy-efficient operation of your HVAC systems in normal and mission-critical situations. The built-in features significantly reduce installation time and the standard basic control panel can make startup, commissioning, and operation easy. The optional Bluetooth® capability enables the commissioning and monitoring of the drive from a distance. The ACH531-01 comes in an IP20 enclosure and can be installed on the wall as standard.</p>

Ordering	
Country of Origin	China (CN)
Customs Tariff Number	85044099
Invoice Description	ACH531-01-02A6-4 PN: 0.75kW, IN: 2.6A
Made To Order	No
Minimum Order Quantity	1 piece

Order Multiple	1 piece
Quote Only	No
Selling Unit of Measure	piece

Dimensions

Product Net Weight	1.6 kg
Product Net Depth / Length	207 mm
Product Net Height	223 mm
Product Net Width	73 mm
Package Level 1 Depth / Length	280 mm
Package Level 1 Height	270 mm
Package Level 1 Width	150 mm
Package Level 1 Units	1 carton

Technical

Number of Phases	3
Degree of Protection	IP20
Enclosure Type NEMA	Open Type
Frequency (f)	47.5 ... 63 Hz
Frame Size	R0
Input Voltage (U_{in})	380 ... 480 V
Mounting Type	Module_NO UNIT\$
Output Current, Light-Overload Use (I_{LD})	2.5 A
Output Current, Normal Use (I_n)	2.6 A
Output Power, Light-Overload Use (P_{LD})	0.75 kW
Output Power, Normal Use (P_n)	0.75 kW
Apparent Power Output	1.8 kV·A
Efficiency Level	IE2
Standby Loss	15 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	27 W	1.5 %	78.2 %
0 / 50 %	29 W	1.6 %	86.3 %
0 / 100 %	35 W	1.9 %	90.8 %
50 / 25 %	28 W	1.5 %	87.8 %
50 / 50 %	31 W	1.7 %	92.5 %
50 / 100 %	38 W	2.1 %	94.9 %
90 / 50 %	33 W	1.8 %	95.5 %
90 / 100 %	44 W	2.5 %	96.7 %

Temperature RatingMaximum 40 °C

Additional Information

Product NameFrequency Converter

Classifications

UNSPSC39122001

Environmental

WEEE CategoryProduct Not in WEEE Scope

Categories

Drives → Low Voltage AC Drives → Industry-Specific Drives → Drives for HVAC → ACH531-01 - Wall-mounted drive for HVAC



