

PRODUCT-DETAILS

ACS580-01-05A7-4

LV AC general purpose wall-mounted drive, IEC:
Pn 2.2 kW, 5.6 A (ACS580-01-05A7-4)



General Information

Global Commercial Alias	ACS580-01-05A7-4
Product ID	3ABD50000038940
ABB Type Designation	ACS580-01-05A7-4
Catalog Description	LV AC general purpose wall-mounted drive, IEC: Pn 2.2 kW, 5.6 A (ACS580-01-05A7-4)
Long Description	The ACS580-01 is plug-in ready to control your compressors, conveyors, pumps, extruders, centrifuges, mixers, fans, and many other variable and constant torque applications, in a variety of light industries, including food and beverage, plastic, textile, material handling, and agriculture. All essential features are built-in as standard, simplifying drive selection, and making additional hardware unnecessary. A versatile and straightforward settings menu and assistants enable fast setup, commissioning, use, and maintenance, while a rugged and robust design make it a good fit for various environments. With the ACS580 drives, you can easily take full control of your processes to comprehensively manage your plant. The wall-mounted ACS580-01 comes in an IP21 enclosure as standard. In addition, IP55 and flange mounting units are available.

Ordering

Country of Origin	China (CN)
Customs Tariff Number	85044099
Invoice Description	ACS580-01-05A7-4 PN: 2.2kW, IN:5.6A
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	4.6 kg
Product Net Depth / Length	223 mm
Product Net Height	303 mm
Product Net Width	125 mm
Package Level 1 Units	0 carton

Technical

Number of Phases	3
Degree of Protection	IP21
Enclosure Type NEMA	Type1
Frequency (f)	47.5 ... 63 Hz
Frame Size	R1
Input Voltage (U_{in})	380 ... 480 V
Mounting Type	Wall-mounted_NO UNIT\$
Output Current, Heavy-Duty Use (I_{HD})	4 A
Output Current, Light-Overload Use (I_{LD})	5.3 A
Output Current, Normal Use (I_n)	5.6 A
Output Power, Heavy-Duty Use (P_{HD})	1.5 kW
Output Power, Light-Overload Use (P_{LD})	2.2 kW
Output Power, Normal Use (P_n)	2.2 kW
Efficiency Level	IE2
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	41 W	1.1 %	83.3 %
0 / 50 %	47 W	1.2 %	89.4 %
0 / 100 %	62 W	1.6 %	92.3 %
50 / 25 %	43 W	1.1 %	90.8 %
50 / 50 %	51 W	1.3 %	94.2 %
50 / 100 %	70 W	1.8 %	95.6 %
90 / 50 %	56 W	1.5 %	96.3 %
90 / 100 %	85 W	2.2 %	97.0 %

Additional Information

Product Name	Frequency Converter
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Classifications

UNSPSC	39122001
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Environmental

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

Drives → Low Voltage AC Drives → General Purpose Drives → ACS580-01 - Wall-mounted drive

