

PRODUCT-DETAILS

ACS580-01-04A1-4+P973

LV AC general purpose wall-mounted drive, IEC:
Pn 1.5 kW, 4 A (ACS580-01-04A1-4+P973)



General Information

Global Commercial Alias	ACS580-01-04A1-4+P973
Product ID	3ABD00048280-D
ABB Type Designation	ACS580-01-04A1-4+P973
Catalog Description	LV AC general purpose wall-mounted drive, IEC: Pn 1.5 kW, 4 A (ACS580-01-04A1-4+P973)

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	ACS580-01-04A1-4+P973 PN: 1.5kW, IN: 4.0A
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	6.5 kg
Product Net Depth / Length	210 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 ... 500 V
Mounting Type	Wall-mounted_NO UNIT\$
Output Current, Heavy-Duty Use (I_{HD})	3.3 A
Output Current, Light-Overload Use (I_{LD})	3.8 A
Output Current, Normal Use (I_n)	4 A
Output Power, Heavy-Duty Use (P_{HD})	1.1 kW
Output Power, Light-Overload Use (P_{LD})	1.5 kW
Output Power, Normal Use (P_n)	1.5 kW
Efficiency Level	IE2

Complete Drive Module
Efficiency (61800-9-2)

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	34 W	1.2 %	81.0 %
0 / 50 %	38 W	1.4 %	88.2 %
0 / 100 %	47 W	1.7 %	91.8 %
50 / 25 %	36 W	1.3 %	89.6 %
50 / 50 %	40 W	1.5 %	93.6 %
50 / 100 %	52 W	1.9 %	95.5 %
90 / 50 %	44 W	1.6 %	96.0 %
90 / 100 %	60 W	2.2 %	97.0 %

Additional Information	
Product Name	Frequency Converter
Classifications	
UNSPSC	39122001
Environmental	
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

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

