



 PRODUCT-DETAILS

ACS580-01-07A3-4+0J400

LV AC general purpose wall-mounted drive,
IEC: Pn 3 kW, 7.2 A (ACS580-01-07A3-4+0J400)



General Information

Global Commercial Alias	ACS580-01-07A3-4+0J400
Product ID	3ABD00046126
ABB Type Designation	ACS580-01-07A3-4+0J400
Catalog Description	LV AC general purpose wall-mounted drive, IEC: Pn 3 kW, 7.2 A (ACS580-01-07A3-4+0J400)

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)
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Customs Tariff Number	85044099
Invoice Description	ACS580-01-07A3-4+0J400 PN: 3kW, IN: 7.2A
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})	5.6 A
Output Current, Light-Overload Use (I_{LD})	6.8 A
Output Current, Normal Use (I_n)	7.2 A
Output Power, Heavy-Duty Use (P_{HD})	2.2 kW
Output Power, Light-Overload Use (P_{LD})	3 kW
Output Power, Normal Use (P_n)	3 kW
Efficiency Level	IE2
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	49 W	1.0 %	84.3 %
0 / 50 %	57 W	1.1 %	89.9 %
0 / 100 %	77 W	1.6 %	92.4 %
50 / 25 %	52 W	1.0 %	91.4 %
50 / 50 %	62 W	1.2 %	94.5 %
50 / 100 %	87 W	1.7 %	95.8 %
90 / 50 %	67 W	1.4 %	96.6 %
90 / 100 %	98 W	2.0 %	97.3 %

Classifications

UNSPSC

39122001

Environmental

WEEE Category

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

Additional Information

Product Name

Frequency Converter

Categories

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

