




---

 PRODUCT-DETAILS

# ACS580-01-039A-4

## LV AC general purpose wall-mounted drive, IEC: Pn 18.5 kW, 38 A (ACS580-01-039A-4)




---

**General Information**

Global Commercial Alias	ACS580-01-039A-4
Product ID	3ABD50000038962
ABB Type Designation	ACS580-01-039A-4
Catalog Description	LV AC general purpose wall-mounted drive, IEC: Pn 18.5 kW, 38 A (ACS580-01-039A-4)
Long Description	<p>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.</p>

---

**Ordering**

Customs Tariff Number	85044099
HS Code	850440 -- ELECTRICAL MACHINERY AND EQUIPMENT AND PARTS THEREOF; SOUND RECORDERS AND REPRODUCERS, TELEVISION IMAGE AND SOUND RECORDERS AND REPRODUCERS, AND PARTS AND ACCESSORIES OF SUCH ARTICLES;Electrical transformers, static converters (for example, rectifiers) and inductors;Static converters

Invoice Description	ACS580-01-039A-4 PN: 18.5kW, IN: 38A
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	14.9 kg
Product Net Depth / Length	228 mm
Product Net Height	454 mm
Product Net Width	203 mm
Package Level 1 Units	0 carton

## Technical

Number of Phases	3-phase
Degree of Protection	IP21
Enclosure Type NEMA	Type1
Frequency (f)	47.5 ... 63 Hz
Frame Size	R3
Input Voltage ( $U_{in}$ )	380 ... 480 V
Mounting Type	Wall-mounted_NO UNIT\$
Output Current, Normal Use ( $I_n$ )	38 A
Output Current, Light-Overload Use ( $I_{LD}$ )	36.1 A
Output Current, Heavy-Duty Use ( $I_{HD}$ )	31.6 A
Output Power, Normal Use ( $P_n$ )	18.5 kW
Output Power, Light-Overload Use ( $P_{LD}$ )	18.5 kW
Output Power, Heavy-Duty Use ( $P_{HD}$ )	15 kW
Efficiency Level	IE2
Complete Drive Module Efficiency (IEC61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	167 W	0.6 %	89.3 %
0 / 50 %	213 W	0.8 %	92.7 %
0 / 100 %	365 W	1.4 %	93.6 %
50 / 25 %	180 W	0.7 %	94.2 %
50 / 50 %	238 W	0.9 %	95.9 %
50 / 100 %	420 W	1.6 %	96.4 %
90 / 50 %	266 W	1.0 %	97.4 %
90 / 100 %	523 W	2.0 %	97.5 %

## External Classifications and Standards

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

