



 PRODUCT-DETAILS

ACS580-01-046A-4

LV AC general purpose wall-mounted drive,
IEC: Pn 22 kW, 45 A (ACS580-01-046A-4)



General Information

Global Commercial Alias	ACS580-01-046A-4
Product ID	3ABD50000038963
ABB Type Designation	ACS580-01-046A-4
Catalog Description	LV AC general purpose wall-mounted drive, IEC: Pn 22 kW, 45 A (ACS580-01-046A-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	ACS580-01-046A-4 PN: 22kW, IN:45A
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)	45 A
Output Current, Light-Overload Use (I_{LD})	42.8 A
Output Current, Heavy-Duty Use (I_{HD})	37.7 A
Output Power, Normal Use (P_n)	22 kW
Output Power, Light-Overload Use (P_{LD})	22 kW
Output Power, Heavy-Duty Use (P_{HD})	18.5 kW
Efficiency Level	IE2
Complete Drive Module Efficiency (IEC61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	200 W	0.6 %	89.2 %
0 / 50 %	260 W	0.8 %	92.5 %
0 / 100 %	459 W	1.5 %	93.3 %
50 / 25 %	216 W	0.7 %	94.1 %
50 / 50 %	290 W	0.9 %	95.8 %
50 / 100 %	534 W	1.7 %	96.1 %
90 / 50 %	328 W	1.1 %	97.3 %
90 / 100 %	672 W	2.2 %	97.3 %

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

