



 PRODUCT-DETAILS

ACS580-01-032A-2

LV AC general purpose wall-mounted drive,
IEC: Pn 7.5 kW, 31.2 A, 230 V (ACS580-01-032A-2)



General Information

Global Commercial Alias	ACS580-01-032A-2
Product ID	3AXD50000417407
ABB Type Designation	ACS580-01-032A-2
EAN	6438177591221

Catalog Description	LV AC general purpose wall-mounted drive, IEC: Pn 7.5 kW, 31.2 A, 230 V (ACS580-01-032A-2)
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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.</p> <p>Versatile and straightforward settings menu and assistants enable fast setup, commissioning, use and maintenance, while rugged and robust design makes 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 IP21 enclosure as standard. Also, IP55 and flange mounting units are available.</p>
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Ordering

Customs Tariff Number	85044086
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	ACS580-01-032A-2 PN: 7.5 kW, IN: 31 A
Made To Order	Yes
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Quote Only	No
Selling Unit of Measure	piece

Dimensions

Product Net Weight	6.6 kg 14.551 lb
Product Net Depth / Length	229 mm 9.02 in
Product Net Height	473 mm 18.62 in
Product Net Width	125 mm 4.92 in
Package Level 1 Depth / Length	225.00 mm
Package Level 1 Height	370.00 mm
Package Level 1 Width	621.00 mm
Package Level 1 Units	1 carton

Technical

Number of Phases	3-phase
Degree of Protection	IP21
Enclosure Type NEMA	Type1
Altitude	1000 m 5 ... 95
Sound dB (A)	64 dB(A)
Multiple Battery Information	Lithium Coin, CR2032, 220 mAh, 3 V, 1 pc, 3 g
Frequency (f)	47.5 ... 63 Hz
Frame Size	R2
Input Voltage (U _{in})	200 ... 240 V
Mounting Type	Wall-mounted
Communication Protocol	CAN DeviceNet EtherNet/IP MODBUS Other Bus Systems PROFIBUS PROFINET IO TCP/IP
Number of Hardware Interfaces	Industrial Ethernet 0 Other 2 Parallel 2 PROFINET 0 RS-232 0 RS-422 0 RS-485 1 Serial TTY 0

	USB 1
Includes	Control unit PC connection
Analog Inputs	2
Analog Outputs	2
Number of Digital In/Outputs	6 / 3
Output Current, Normal Use (I_n)	31.2 A
Output Current, Light-Overload Use (I_{LD})	30.8 A
Output Current, Heavy-Duty Use (I_{HD})	24.2 A
Output Power, Normal Use (P_n)	7.5 kW
Output Power, Light-Overload Use (P_{LD})	7.5 kW
Output Power, Heavy-Duty Use (P_{HD})	5.5 kW
Apparent Power Output	359 W
Efficiency Level	12 kV-A
Standby Loss	IE2
Complete Drive Module Efficiency (IEC61800-9-2)	14 W

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	101 W	86.7 %	0.8 %
0/50 %	131 W	90.6 %	1.1 %
0/100 %	234 W	91.5 %	1.9 %
50/25 %	110 W	92.6 %	0.9 %
50/50 %	151 W	94.6 %	1.2 %
50/100 %	279 W	95.0 %	2.2 %
90/50 %	178 W	96.4 %	1.4 %
90/100 %	359 W	96.4 %	2.9 %

Temperature Rating	Maximum 40 °C Minimum -15 °C
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Certificates and Declarations

Declaration of Conformity - CE	3AXD10001818627
REACH Date	20250905
REACH Declaration	9AKK107992A7060
REACH Information	True - contains substances > 0.1 mass percentage
RoHS Date	20240508
RoHS Declaration	3AXD10001818627
RoHS Information	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

Environmental

Global Warming Potential GWP Total	Distribution (Module A4) 2 kilograms of carbon dioxide equivalent End of Life (Modules C1-C4) 15 kilograms of carbon dioxide equivalent Installation (Module A5) 5 kilograms of carbon dioxide equivalent Manufacturing (Modules A1-A3) 142 kilograms of carbon dioxide equivalent Total 3456 kilograms of carbon dioxide equivalent Use (Modules B1-B7) 3292 kilograms of carbon dioxide equivalent
SCIP	8e2f57c3-6325-4d67-b705-81477a8d922e Finland
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

External Classifications and Standards

ETIM 9	EC001857 - Frequency converter =< 1 kV
UNSPSC	39122001

Categories

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

