PRODUCT-DETAILS

ACS580-01-033A-4

LV AC general purpose wall-mounted drive, IEC: Pn 15 kW, 32 A, 400 V (ACS580-01-033A-4)



General Information

Global Commercial Alias:	ACS580-01-033A-4
Product ID:	3AXD50000038961
ABB Type Designation:	ACS580-01-033A-4
EAN:	6438177459262
Catalog Description:	LV AC general purpose wall-mounted drive, IEC: Pn 15 kW, 32 A, 400 V (ACS580-01-033A-4)
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. 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.
Display Name:	ACS580-01-033A-4

© 2026 ABB. All rights reserved.

Ordering

Customs Tariff Number:	85044087
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:	ACS580-01-033A-4 PN: 15 kW, IN: 32 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:	11.8 kg 26.015 lb
Product Net Depth / Length:	229 mm 9.016 in
Product Net Height:	490 mm 19.291 in
Product Net Width:	203 mm 7.992 in
Package Level 1 Depth / Length:	679 mm 26.73 in
Package Level 1 Height:	325 mm 12.80 in
Package Level 1 Width:	290 mm 11.42 in
Package Level 1 Units:	carton 1 piece

Technical

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	162 W	87.8 %	0.7 %
0/50 %	205 W	91.7 %	0.9 %
0/100 %	351 W	92.8 %	1.6 %
50/25 %	175 W	93.3 %	0.8 %
50/50 %	228 W	95.4 %	1.0 %
50/100 %	404 W	95.9 %	1.8 %
90/50 %	252 W	97.1 %	1.1 %
90/100 %	492 W	97.2 %	2.2 %

Number of Phases:	3-phase

© 2026 ABB. All rights reserved.

Degree of Protection:	IP21
Enclosure Type NEMA:	Type1
Altitude:	1000 m
Operating Humidity (RH_{amb}):	5 ... 95
Sound dB (A):	76 dB(A)
Multiple Battery Information:	Lithium Coin, CR2032, 220 mAh, 3 V, 1 pc, 3 g
Frequency (f):	47.5 ... 63 Hz
Frame Size:	R3
Input Voltage (U_{in}):	380 ... 480 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):	32 A
Output Current, Light-Overload Use (I_{LD}):	30.4 A
Output Current, Heavy-Duty Use (I_{HD}):	24.6 A
Output Power, Normal Use (P_n):	15 kW
Output Power, Light-Overload Use (P_{LD}):	15.0 kW
Output Power, Heavy-Duty Use (P_{HD}):	11.0 kW
Power Consumption (@P_{cons}):	492 W
Apparent Power Output:	22 kV·A
Efficiency Level:	IE2
Standby Loss:	16 W
Temperature Rating:	Maximum 40 °C Minimum -15 °C

© 2026 ABB. All rights reserved.

Certificates and Declarations

Declaration of Conformity - CE:	3AXD10001818627
REACH Date:	20260316
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

Recyclability Rate of the Product acc. to EN45555:	59.3 %
Product Subcomponent Material Weights:	Aluminum 2.69 kg Copper 0.08 kg Steel 4.18 kg
SCIP:	8e1cd225-4cd2-4db1-8a7b-419a51ce1ae3 Finland
WEEE Category:	5. Small Equipment (No External Dimension More Than 50 cm)

External Classifications and Standards

ETIM 9:	EC001857 - Frequency converter =< 1 kV
ETIM 10:	EC001857 - Frequency converter =< 1 kV
UNSPSC:	39122001

Categories

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



© 2026 ABB. All rights reserved.