

ACS580-01-430A-4

General Information

Global Commercial Alias:	ACS580-01-430A-4
Product ID:	3AUA0000080510
ABB Type Designation:	ACS580-01-430A-4
EAN:	6438177305668
Catalog Description:	ACS580-01-430A-4 PN: 250 kW, IN: 430 A
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.

Categories

Products » Drives » [Low voltage AC drives](#) » [General purpose drives](#) » [ACS580-01 - Wall-mounted drive](#)

Ordering

Country of Origin:	Finland (FI)
Customs Tariff Number:	85044084
Invoice Description:	ACS580-01-430A-4 PN: 250 kW, IN: 430 A
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:	97 kg
Product Net Height:	955 mm
Product Net Length:	418 mm
Product Net Width:	380 mm
Package Level 1 Depth / Length:	1145 mm
Package Level 1 Height:	630 mm
Package Level 1 Width:	485 mm
Package Level 1 Units:	1 carton

Technical

Number of Phases:	3
Degree of Protection:	IP21
Enclosure Type NEMA:	Type1
Altitude:	1000 m
Sound dB (A):	68 dB(A)
Frequency (f):	50/60 Hz
Input Voltage (U_{in}):	380 ... 480 V
Mounting Type:	Wall-mounted
Communication Protocol:	MODBUS DeviceNet PROFIBUS CAN EtherNet/IP PROFINET IO TCP/IP Other Bus Systems
Number of Hardware Interfaces:	Industrial Ethernet 0 PROFINET 0

RS-232 0
 RS-422 0
 RS-485 1
 Serial TTY 0
 USB 1
 Parallel 2
 Other 2

Includes:	With control unit Without optical interface With PC connection
Analog Inputs:	2
Analog Outputs:	2
Number of Digital In/Outputs:	6/3
Output Current, Heavy-Duty Use:	363 A
Output Current, Light-Overload Use:	400 A
Output Current, Normal Use:	430 A
Output Power, Heavy-Duty Use:	200 kW
Output Power, Light-Overload Use:	200 kW
Output Power, Normal Use:	250 kW
Apparent Power Output:	298 kV-A
Efficiency Level:	IE2
Standby Loss:	80 W

Complete Drive Module Efficiency (61800-9-2):

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency	
		0 / 25 %	1466 W	0.9
		0 / 50 %	2117 W	0.9
		0 / 100 %	4027 W	1.0
		50 / 25 %	1610 W	0.9
		50 / 50 %	2388 W	0.9
		50 / 100 %	4671 W	1.0
		90 / 50 %	2816 W	0.9
		90 / 100 %	6067 W	2.0

Temperature Rating: Maximum 40 °C

Additional Information

Product Main Type: ACS580-01
Product Name: Frequency converter

Classifications

ETIM 7: EC001857 - Frequency converter =< 1 kV
UNSPSC: 39122001

Environmental

SCIP: 67c5daab-da3d-4123-804b-53a83b6d9528 Finland (FI)
WEEE Category: 4. Large Equipment (Any External Dimension More Than 50 cm)



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