

PRODUCT-DETAILS

ACS580-01-046A-4

ACS580-01-046A-4 PN: 22 kW, IN: 45 A



General Information

Global Commercial Alias	ACS580-01-046A-4
Product ID	3AXD50000038963
ABB Type Designation	ACS580-01-046A-4
EAN	6438177459286
Catalog Description	ACS580-01-046A-4 PN: 22 kW, IN: 45 A

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.

Long Description 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.

Ordering

Country of Origin	Romania (RO) Finland (FI) China (CN)
Customs Tariff Number	85044086
Invoice Description	ACS580-01-046A-4 PN: 22 kW, IN: 45 A

Made To Order	Yes
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Quote Only	No
Selling Unit of Measure	piece

Container Information

Gross Volume	22.779 dm ³
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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	295.00 mm 11.614 in
Package Level 1 Height	390.00 mm 15.354 in
Package Level 1 Width	600.00 mm 23.622 in
Package Level 1 Units	1 carton

Technical

Number of Phases	3
Degree of Protection	IP21
Enclosure Type NEMA	Type1
Altitude	1000 m
	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	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 (I_{HD})	37.7 A
Output Current, Light-Overload Use (I_{LD})	42.8 A
Output Current, Normal Use (I_n)	45 A
Output Power, Heavy-Duty Use (P_{HD})	18.5 kW
Output Power, Light-Overload Use (P_{LD})	22.0 kW
Output Power, Normal Use (P_n)	22 kW
Apparent Power Output	31 kV-A
Efficiency Level	IE2
Standby Loss	16 W

Complete Drive Module
Efficiency (61800-9-2)

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

Temperature Rating	Maximum 40 °C Minimum -15 °C
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Additional Information

Product Main Type	ACS580-01
Product Name	Frequency converter

Classifications

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

Environmental

SCIP	8e1cd225-4cd2-4db1-8a7b-419a51ce1ae3 Finland (FI)
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

