

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

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.

Ordering

Country of Origin	Romania (RO) Finland (FI) China (CN)
Customs Tariff Number	85044084
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

Dimensions

Product Net Weight	11.8 kg
Product Net Height	490 mm
Product Net Length	229 mm
Product Net Width	203 mm
Package Level 1 Depth / Length	295 mm
Package Level 1 Height	390 mm
Package Level 1 Width	600 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)	76 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	37.7 A
Output Current, Light-Overload Use	42.8 A
Output Current, Normal Use	45.0 A
Output Power, Heavy-Duty Use	18.5 kW
Output Power, Light-Overload Use	22.0 kW
Output Power, Normal Use	22.0 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	Relative Loss	Efficiency
0 / 25 %	194 W	0.6 %	89.5 %
0 / 50 %	254 W	0.8 %	92.6 %
0 / 100 %	454 W	1.5 %	93.3 %
50 / 25 %	210 W	0.7 %	94.2 %
50 / 50 %	285 W	0.9 %	95.9 %
50 / 100 %	529 W	1.7 %	96.2 %
90 / 50 %	322 W	1.0 %	97.4 %
90 / 100 %	667 W	2.1 %	97.3 %

Temperature Rating	Maximum 40 °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



