

PRODUCT-DETAILS

ACS580-01-032A-2

ACS580-01-032A-2 PN: 7.5 kW, IN: 31 A



General Information

Global Commercial Alias	ACS580-01-032A-2
Product ID	3AXD50000417407
ABB Type Designation	ACS580-01-032A-2
EAN	6438177591221
Catalog Description	ACS580-01-032A-2 PN: 7.5 kW, IN: 31 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	Finland (FI)
Customs Tariff Number	85044084
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

Container Information

Gross Volume	13.54 dm ³
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Dimensions

Product Net Weight	6.6 kg
Product Net Height	473 mm
Product Net Length	228.5 mm
Product Net Width	125 mm

Technical

Number of Phases	3
Degree of Protection	IP21
Enclosure Type NEMA	Type1
Frequency (f)	50/60 Hz
Input Voltage (U _{in})	200 ... 240 V
Mounting Type	Wall-mounted
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	43530
Output Current, Heavy-Duty Use	24.2 A
Output Current, Light-Overload Use	30.8 A
Output Current, Normal Use	31.2 A
Output Power, Heavy-Duty Use	5.5 kW
Output Power, Light-Overload Use	7.5 kW
Output Power, Normal Use	7.5 kW
Apparent Power Output	12 kV-A
Efficiency Level	IE2
Standby Loss	14 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	99 W	0.8 %	86.9 %
0 / 50 %	130 W	1.0 %	90.7 %
0 / 100 %	232 W	1.9 %	91.6 %
50 / 25 %	108 W	0.9 %	92.7 %
50 / 50 %	149 W	1.2 %	94.7 %
50 / 100 %	277 W	2.2 %	95.0 %
90 / 50 %	176 W	1.4 %	96.4 %
90 / 100 %	358 W	2.9 %	96.4 %

Temperature RatingMaximum 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	8e2f57c3-6325-4d67-b705-81477a8d922e 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



