



PRODUCT-DETAILS

ACS580-01-025A-2

LV AC general purpose wall-mounted drive, IEC:
Pn 5.5 kW, 24.5 A, 230 V (ACS580-01-025A-2)



General Information

Global Commercial Alias	ACS580-01-025A-2
Product ID	3AXD50000417391
ABB Type Designation	ACS580-01-025A-2
EAN	6438177591214
Catalog Description	LV AC general purpose wall-mounted drive, IEC: Pn 5.5 kW, 24.5 A, 230 V (ACS580-01-025A-2)

Long Description	<p>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.</p> <p>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.</p>
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Ordering

Country of Origin	China (CN) Finland (FI) United States (US)
Customs Tariff Number	85044085
Invoice Description	ACS580-01-025A-2 PN: 5.5 kW, IN: 24 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 dm³
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Dimensions

Product Net Weight	6.6 kg 14.551 lb
Product Net Depth / Length	228.50 mm 9.02 in
Product Net Height	473.00 mm 18.62 in
Product Net Width	125.00 mm 4.92 in
Package Level 1 Depth / Length	225.00 mm
Package Level 1 Height	370.00 mm
Package Level 1 Width	621.00 mm

Technical

Number of Phases	3
Degree of Protection	IP21
Enclosure Type NEMA	Type1
Altitude	1000 m 95
Sound dB (A)	64 dB(A)
Multiple Battery Information	Lithium Coin, CR2032, 220 mAh, 3 V, 1 pc, 3 g
Frequency (f)	47.5 ... 63 Hz
Frame Size	R2
Input Voltage (U _{in})	200 ... 240 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, Heavy-	16.7 A

Duty Use (I_{HD})	
Output Current, Light-Overload Use (I_{LD})	24.2 A
Output Current, Normal Use (I_n)	24.5 A
Output Power, Heavy-Duty Use (P_{HD})	4.0 kW
Output Power, Light-Overload Use (P_{LD})	5.5 kW
Output Power, Normal Use (P_n)	5.5 kW
Apparent Power Output	9.8 kV·A
Efficiency Level	IE2
Standby Loss	14 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	82 W	86.3 %	0.8 %
0/50 %	103 W	90.6 %	1.1 %
0/100 %	171 W	92.1 %	1.8 %
50/25 %	88 W	92.4 %	0.9 %
50/50 %	116 W	94.7 %	1.2 %
50/100 %	202 W	95.4 %	2.1 %
90/50 %	135 W	96.5 %	1.4 %
90/100 %	255 W	96.7 %	2.6 %

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 8	EC001857 - Frequency converter =< 1 kV
ETIM 9	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

