



PRODUCT-DETAILS

ACS580-01-02A7-4

LV AC general purpose wall-mounted drive,
IEC: Pn 0.75 kW, 2.6 A, 400 V (ACS580-01-02A7-4)



General Information	
Global Commercial Alias	ACS580-01-02A7-4
Product ID	3AXD50000038937
ABB Type Designation	ACS580-01-02A7-4
EAN	6438177457879
Catalog Description	LV AC general purpose wall-mounted drive, IEC: Pn 0.75 kW, 2.6 A, 400 V (ACS580-01-02A7-4)
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>

Ordering

Country of Origin	Romania (RO) Finland (FI) China (CN)
Customs Tariff Number	85044085
HS Code	850440-- Electrical transformers, static converters (for example, rectifiers) and inductors.- Static converters
Invoice Description	ACS580-01-02A7-4 PN: 0.75 kW, IN: 2.6 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	10.141 lb
Product Net Depth / Length	8.78 in
Product Net Height	14.69 in
Product Net Width	4.92 in
Package Level 1 Depth / Length	225.00 mm 8.858 in
Package Level 1 Height	370.00 mm 14.567 in
Package Level 1 Width	526.00 mm 20.709 in
Package Level 1 Units	1 carton

Technical

Number of Phases	3
Degree of Protection	IP21
Enclosure Type NEMA	Type1
Altitude	1000 m 5 ... 95
Sound dB (A)	59 dB(A)
Multiple Battery Information	Lithium Coin, CR2032, 220 mAh, 3 V, 1 pc, 3 g
Frequency (f)	47.5 ... 63 Hz
Frame Size	R1
Input Voltage (U _{in})	380 ... 480 V
Mounting Type	Wall-mounted
Communication Protocol	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	6 / 3

In/Outputs

Output Current, Normal	2.6 A
Use (I_n)	
Output Current, Light-	2.5 A
Overload Use (I_{LD})	
Output Current, Heavy-	1.8 A
Duty Use (I_{HD})	
Output Power, Normal	0.75 kW
Use (P_n)	
Output Power, Light-	0.75 kW
Overload Use (P_{LD})	
Output Power, Heavy-	0.6 kW
Duty Use (P_{HD})	
Apparent Power Output	1.8 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 %	29 W	76.5 %	1.6 %
0/50 %	31 W	85.5 %	1.7 %
0/100 %	36 W	90.5 %	2.0 %
50/25 %	30 W	86.9 %	1.7 %
50/50 %	33 W	92.2 %	1.8 %
50/100 %	39 W	94.8 %	2.2 %
90/50 %	35 W	95.2 %	1.9 %
90/100 %	44 W	96.7 %	2.4 %

Temperature Rating	Maximum 40 °C Minimum -15 °C
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External Classifications and Standards

ETIM 8	EC001857 - Frequency converter =< 1 kV
ETIM 9	EC001857 - Frequency converter =< 1 kV
UNSPSC	39122001

Environmental

SCIP	a5c3dd71-8ecd-44d9-98e4-45c53b6836e1 Finland (FI)
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

Additional Information

Product Name	Frequency converter
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Categories

Drives → Low Voltage AC Drives → General Purpose Drives → ACS580-01 - Wall-mounted drive

