



 PRODUCT-DETAILS

ACS580-01-060A-2

LV AC general purpose wall-mounted drive,
IEC: Pn 15 kW, 60 A, 230 V (ACS580-01-060A-2)



General Information

Global Commercial Alias	ACS580-01-060A-2
Product ID	3AXD50000417421
ABB Type Designation	ACS580-01-060A-2
EAN	6438177591245

Catalog Description	LV AC general purpose wall-mounted drive, IEC: Pn 15 kW, 60 A, 230 V (ACS580-01-060A-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>
------------------	--

Ordering

Country of Origin	China (CN) Finland (FI) United States (US)
Customs Tariff Number	85044085
HS Code	850440-- Electrical transformers, static converters (for example, rectifiers) and inductors.- Static converters
Invoice Description	ACS580-01-060A-2 PN: 15.0 kW, IN: 60 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
--------------	------------------------

Dimensions

Product Net Weight	11.8 kg 26.015 lb
Product Net Depth / Length	229.00 mm 9.02 in
Product Net Height	490.00 mm 19.29 in
Product Net Width	203.00 mm 7.99 in
Package Level 1 Depth / Length	295.00 mm
Package Level 1 Height	390.00 mm
Package Level 1 Width	600.00 mm

Technical

Number of Phases	3
Degree of Protection	IP21
Enclosure Type NEMA	Type1
Altitude	1000 m 5 ... 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})	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-Duty Use (I_{HD})	46.2 A
Output Current, Light-Overload Use (I_{LD})	59.4 A
Output Current, Normal Use (I_n)	60 A
Output Power, Heavy-Duty Use (P_{HD})	11.0 kW
Output Power, Light-Overload Use (P_{LD})	15.0 kW
Output Power, Normal Use (P_n)	15 kW
Apparent Power Output	24 kV-A
Efficiency Level	IE2
Standby Loss	15 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	214 W	85.5 %	0.9 %
0/50 %	278 W	89.8 %	1.2 %
0/100 %	488 W	90.9 %	2.0 %
50/25 %	233 W	91.9 %	1.0 %
50/50 %	313 W	94.2 %	1.3 %
50/100 %	587 W	94.5 %	2.5 %
90/50 %	366 W	96.2 %	1.5 %
90/100 %	781 W	95.9 %	3.3 %

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

Classifications

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

Environmental

SCIP	f1c9bd3a-ea8b-410d-bd78-7d4098ee31cf Finland (FI)
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

Additional Information

Product Main Type	ACS580-01
Product Name	Frequency converter

Categories

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

