



 PRODUCT-DETAILS

ACS580-01-670A-4

LV AC general purpose wall-mounted drive,
IEC: Pn 355 kW, 670 A, 400 V (ACS580-01-670A-4)



General Information

Global Commercial Alias:	ACS580-01-670A-4
Product ID:	3AXD50001061319
ABB Type Designation:	ACS580-01-670A-4
EAN:	6438177753131
Catalog Description:	LV AC general purpose wall-mounted drive, IEC: Pn 355 kW, 670 A, 400 V (ACS580-01-670A-4)
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.
Display Name:	ACS580-01-670A-4

Ordering

Customs Tariff Number:	85044087
HS Code:	850440 -- ELECTRICAL MACHINERY AND EQUIPMENT AND PARTS THEREOF; SOUND RECORDERS AND REPRODUCERS, TELEVISION IMAGE AND SOUND RECORDERS AND REPRODUCERS, AND PARTS AND ACCESSORIES OF SUCH ARTICLES;Electrical transformers, static converters (for example, rectifiers) and inductors;Static converters
Invoice Description:	ACS580-01-670A-4 PN: 355 kW, IN: 670 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:	185 kg 408 lb
Product Net Depth / Length:	520 mm 20.47 in
Product Net Height:	1130 mm 44.49 in
Product Net Width:	416 mm 16.38 in
Package Level 1 Depth / Length:	679 mm 26.73 in
Package Level 1 Height:	1238 mm 48.74 in
Package Level 1 Width:	600 mm 23.62 in
Package Level 1 Units:	1 case

Technical

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	1827 W	93.1 %	0.4 %
0/50 %	2765 W	94.6 %	0.6 %
0/100 %	5076 W	95.0 %	1.1 %
50/25 %	1957 W	96.3 %	0.4 %
50/50 %	2953 W	97.2 %	0.6 %
50/100 %	5696 W	97.3 %	1.2 %
90/50 %	3369 W	98.2 %	0.7 %
90/100 %	6801 W	98.2 %	1.5 %

Number of Phases:	3-phase
Degree of Protection:	IP21
Enclosure Type NEMA:	Type1
Altitude:	1000 m
Sound dB (A):	75 dB(A)
Frequency (f):	47.5 ... 63 Hz
Frame Size:	R9e
Input Voltage (U_{in}):	380 ... 480 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, Normal Use (I_n):	670 A
Output Current, Light-Overload Use (I_{LD}):	660 A
Output Current, Heavy-Duty Use (I_{HD}):	595 A
Output Power, Normal Use (P_n):	355 kW
Output Power, Light-Overload Use (P_{LD}):	355 kW
Output Power, Heavy-Duty Use (P_{HD}):	315 kW
Efficiency Level:	IE2
Standby Loss:	108 W
Temperature Rating:	Maximum 40 °C Minimum -15 °C

Environmental

SCIP: bafcd3a9-1193-4dc3-af59-9f4786651605 Finland

Categories

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

Parts & Services > Drives > Services > Spares and Consumables > Parts

