



 PRODUCT-DETAILS

ACS580-01-12A7-4+B063

LV AC industrial wall-mounted single drive,
IEC: Pn 5.5 kW, 12.6 A, 400 V, UL: Pld 7.5 Hp, 12
A, 500 V (ACS580-01-12A7-4+B063)



General Information

Global Commercial Alias:	ACS580-01-12A7-4+B063
Product ID:	3AXD50001003142
ABB Type Designation:	ACS580-01-12A7-4+B063
EAN:	6438177700487
Catalog Description:	LV AC industrial wall-mounted single drive, IEC: Pn 5.5 kW, 12.6 A, 400 V, UL: Pld 7.5 Hp, 12 A, 500 V (ACS580-01-12A7-4+B063)
Long Description:	Designed for harsh locations, the ACS580-01 Type 4X / IP66 drive can withstand unfriendly environments with ease. The drive is resistant to various weather conditions from the snows of winter to the heat of summer. Indoors, it is resistant to water spray, dirt and chemicals and is NSF 169 certified for food splash zones. This drive is ideal for food and beverage, agriculture, livestock applications and for coastal areas. 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.
Display Name:	ACS580-01-12A7-4+B063

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:	ACS580-01-12A7-4+B063 PN: 5.5 kW, IN: 12.6 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:	12.70 kg 28.00 lb
Product Net Depth / Length:	249 mm 9.803 in
Product Net Height:	522 mm 20.551 in
Product Net Width:	208 mm 8.189 in
Package Level 1 Depth / Length:	364 mm 14.331 in
Package Level 1 Height:	692 mm 27.244 in
Package Level 1 Width:	341 mm 13.425 in
Package Level 1 Units:	1 box

Technical

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	68.0 W	87.1 %	0.7 %
0/50 %	88.0 W	91 %	0.9 %
0/100 %	157.0 W	91.9 %	1.5 %
50/25 %	73.0 W	93 %	0.7 %
50/50 %	98.0 W	95 %	1.0 %
50/100 %	178.0 W	95.4 %	1.7 %
90/50 %	108.0 W	96.9 %	1.0 %
90/100 %	213.0 W	96.9 %	2.0 %

Number of Phases:	3-phase
Degree of Protection:	IP66
Enclosure Type NEMA:	Type4X
Altitude:	1000 m
Power Factor:	0.98
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 ... 415 V
Mounting Type:	Wall-mounted
Communication Protocol:	CAN DeviceNet EtherNet/IP MODBUS Other Bus Systems PROFIsafe 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):	12.6 A
Output Current, Light-Overload Use (I_{LD}):	12 A
Output Current, Heavy-Duty Use (I_{HD}):	9.4 A
Output Power, Normal Use (P_n):	5.5 kW
Output Power, Light-Overload Use (P_{LD}):	5.5 kW
Output Power, Heavy-Duty Use (P_{HD}):	4 kW
Apparent Power Output:	8.7 kV·A
Efficiency Level:	IE2
Standby Loss:	14 W
Temperature Rating:	Maximum 40 °C Minimum -25 °C

Technical UL

Output Current, Light-Overload Use (UL): 12 A

Output Power, Light-Overload Use (UL): 7.5 Hp

Certificates and Declarations

Declaration of Conformity - CE: 3AXD10001818627

REACH Date: 20250905

REACH Declaration: 9AKK107992A7060

REACH Information: True - contains substances > 0.1 mass percentage

RoHS Date: 20250701

RoHS Declaration: 3AXD10001818627

RoHS Information: Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

Environmental

WEEE Category: 4. Large Equipment (Any External Dimension More Than 50 cm)

External Classifications and Standards

ETIM 9: EC001857 - Frequency converter =< 1 kV

ETIM 10: EC001857 - Frequency converter =< 1 kV

Categories

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

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



