



PRODUCT-DETAILS

ACS580-04-585A-4

LV AC general purpose drive module, IEC: Pn 315 kW, 585 A, 400 V, UL: Pld 450 Hp, 573 A, 480 V (ACS580-04-585A-4)



General Information	
Global Commercial Alias	ACS580-04-585A-4
Product ID	3AUA0000170521
ABB Type Designation	ACS580-04-585A-4
EAN	6438177340430
Catalog Description	LV AC general purpose drive module, IEC: Pn 315 kW, 585 A, 400 V, UL: Pld 450 Hp, 573 A, 480 V (ACS580-04-585A-4)
Long Description	The ACS580-04 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 ACS580-04 drive module comes in IP00 enclosure as standard for cabinet installation. Also, IP20 enclosure is available.

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
Short Description	ACS580-04-585A-4
Made To Order	Yes
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Quote Only	No
Selling Unit of Measure	piece

Dimensions

Gross Weight	204 kg 449.743 lb
Product Net Weight	161 kg 354.945 lb
Package Level 1 Units	1 case
Package Level 1 Height	500 mm 19.69 in
Package Level 1 Width	650 mm 25.59 in
Package Level 1 Depth / Length	2050 mm 80.71 in
Product Net Height	1462 mm 57.559 in
Product Net Width	350 mm 13.780 in
Product Net Depth / Length	529 mm 20.827 in

Technical

Degree of Protection	IP00
Enclosure Type NEMA	Open Type
Frequency (f)	47.5 ... 63 Hz
Maximum Output Frequency	598 Hz
Input Voltage (U_{in})	380 ... 480 V
Mounting Type	Module
Number of Phases	3-phase
Number of Output Phases	3

Technical IEC

Output Current, Normal Use (I_n)	585 A
Output Power, Normal Use (P_n)	315 kW
Output Current, Light-Overload Use (I_{LD})	575 A
Output Power, Light-	315 kW

Overload Use (P_{LD})

Output Current, Heavy-	429 A
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Duty Use (I_{HD})

Output Power, Heavy-	250 kW
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Duty Use (P_{HD})

Apparent Power Output	405 kV·A
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Efficiency Level	IE2
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Standby Loss	423 W
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Complete Drive Module
Efficiency (IEC61800-9-
2)

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	1889 W	93.2 %	0.4 %
0/50 %	2690 W	95.0 %	0.6 %
0/100 %	4866 W	95.4 %	1.0 %
50/25 %	2030 W	96.4 %	0.4 %
50/50 %	2990 W	97.3 %	0.6 %
50/100 %	5617 W	97.4 %	1.2 %
90/50 %	3427 W	98.2 %	0.7 %
90/100 %	6840 W	98.2 %	1.4 %

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

Output Current, Light- Overload Use (UL)	573 A
Output Power, Light- Overload Use (UL)	450 Hp
Output Current, Heavy- Duty Use (UL)	414 A
Output Power, Heavy- Duty Use (UL)	350 Hp

External Classifications and Standards

ETIM 9	EC001857 - Frequency converter =< 1 kV
UNSPSC	39122001
WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)

Categories

Drives → Low Voltage AC Drives → General Purpose Drives → ACS580-04 - Drive module

