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# ПРИВОДЫ ПЕРЕМЕННОГО ТОКА НИЗКОВОЛЬТНЫЕ Техническое описание на преобразователи ACS580-04



PRODUCT-DETAILS

# ACS580-04-880A-4

LV AC general purpose drive module, IEC: Pn 500 kW, 880 A, 400 V, UL: Pld 700 Hp, 807 A, 480 V (ACS580-04-880A-4)



## General Information

Global Commercial Alias	ACS580-04-880A-4
Product ID	3AUA0000170525
ABB Type Designation	ACS580-04-880A-4
EAN	6438177340478
Catalog Description	LV AC general purpose drive module, IEC: Pn 500 kW, 880 A, 400 V, UL: Pld 700 Hp, 807 A, 480 V (ACS580-04-880A-4)
Long Description	<p>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.</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 ACS580-04 drive module comes in IP00 enclosure as standard for cabinet installation. Also, IP20 enclosure is available.</p>

## Ordering

Country of Origin	Finland (FI)
Customs Tariff Number	85044086
Invoice Description	ACS580-04-880A-4 PN: 500 kW, IN: 880 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	307.719 dm <sup>3</sup>
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## Dimensions

Product Net Weight	199 kg 438.720 lb
Product Net Depth / Length	529 mm 20.827 in
Product Net Height	1662 mm 65.433 in
Product Net Width	350 mm 13.780 in
Package Level 1 Depth / Length	2060.00 mm 81.102 in
Package Level 1 Height	500.00 mm 19.685 in
Package Level 1 Width	670.00 mm 26.378 in
Package Level 1 Units	1 carton

## Technical

Number of Phases	3
Degree of Protection	IP00
Enclosure Type NEMA	Open Type
Altitude	1000 m 95
Sound dB (A)	71 dB(A)
Multiple Battery Information	Lithium Coin, CR2032, 220 mAh, 3 V, 1 pc, 3 g
Frequency (f)	47.5 ... 63 Hz
Frame Size	R11
Input Voltage (U <sub>in</sub> )	380 ... 480 V
Mounting Type	Module for cabinet building
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
	Control unit

PC connection

Analog Inputs	2
Analog Outputs	2
Number of Digital In/Outputs	6 / 3
Output Current, Heavy-Duty Use ( $I_{HD}$ )	725 A
Output Current, Light-Overload Use ( $I_{LD}$ )	865 A
Output Current, Normal Use ( $I_n$ )	880 A
Output Power, Heavy-Duty Use ( $P_{HD}$ )	400 kW
Output Power, Light-Overload Use ( $P_{LD}$ )	500 kW
Output Power, Normal Use ( $P_n$ )	500 kW
Apparent Power Output	610 kV·A
Efficiency Level	IE2
Standby Loss	615 W

Complete Drive Module Efficiency (61800-9-2)

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	2916 W	93.0 %	0.4 %
0/50 %	4164 W	94.8 %	0.6 %
0/100 %	7551 W	95.3 %	1.0 %
50/25 %	3134 W	96.3 %	0.4 %
50/50 %	4641 W	97.2 %	0.6 %
50/100 %	8766 W	97.3 %	1.2 %
90/50 %	5366 W	98.2 %	0.7 %
90/100 %	10887 W	98.1 %	1.5 %

Temperature Rating	Maximum 40 °C Minimum -15 °C
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## Additional Information

Product Main Type	ACS580-04
Product Name	Frequency converter

## Classifications

ETIM 7	EC001857 - Frequency converter =< 1 kV
UNSPSC	39122001

## Environmental

SCIP	e9fd22a6-81c4-4079-87c1-83e8cf566d7a Finland (FI)
WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)

PRODUCT-DETAILS

# ACS580-04-820A-4

LV AC general purpose drive module, IEC: Pn 450 kW, 820 A, 400 V, UL: Pld 700 Hp, 807 A, 480 V (ACS580-04-820A-4)



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## General Information

Global Commercial Alias	ACS580-04-820A-4
Product ID	3AUA0000170524
ABB Type Designation	ACS580-04-820A-4
EAN	6438177340461
Catalog Description	LV AC general purpose drive module, IEC: Pn 450 kW, 820 A, 400 V, UL: Pld 700 Hp, 807 A, 480 V (ACS580-04-820A-4)
Long Description	<p>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.</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 ACS580-04 drive module comes in IP00 enclosure as standard for cabinet installation. Also, IP20 enclosure is available.</p>

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## Ordering

Country of Origin	Finland (FI)
Customs Tariff Number	85044086
Invoice Description	ACS580-04-820A-4 PN: 450 kW, IN: 820 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	307.719 dm <sup>3</sup>
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## Dimensions

Product Net Weight	199 kg 438.720 lb
Product Net Depth / Length	529 mm 20.827 in
Product Net Height	1662 mm 65.433 in
Product Net Width	350 mm 13.780 in
Package Level 1 Depth / Length	2060.00 mm 81.102 in
Package Level 1 Height	500.00 mm 19.685 in
Package Level 1 Width	670.00 mm 26.378 in
Package Level 1 Units	1 carton

## Technical

Number of Phases	3
Degree of Protection	IP00
Enclosure Type NEMA	Open Type
Altitude	1000 m 95
Sound dB (A)	72 dB(A)
Multiple Battery Information	Lithium Coin, CR2032, 220 mAh, 3 V, 1 pc, 3 g
Frequency (f)	47.5 ... 63 Hz
Frame Size	R11
Input Voltage (U <sub>in</sub> )	380 ... 480 V
Mounting Type	Module for cabinet building
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 <sub>HD</sub> )	625 A

Output Current, Light-Overload Use ( $I_{LD}$ )	810 A
Output Current, Normal Use ( $I_n$ )	820 A
Output Power, Heavy-Duty Use ( $P_{HD}$ )	355 kW
Output Power, Light-Overload Use ( $P_{LD}$ )	450 kW
Output Power, Normal Use ( $P_n$ )	450 kW
Apparent Power Output	568 kV·A
Efficiency Level	IE2
Standby Loss	466 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	2551 W	93.4 %	0.4 %
0/50 %	3666 W	95.1 %	0.5 %
0/100 %	6680 W	95.5 %	1.0 %
50/25 %	2748 W	96.5 %	0.4 %
50/50 %	4097 W	97.3 %	0.6 %
50/100 %	7768 W	97.4 %	1.1 %
90/50 %	4753 W	98.3 %	0.7 %
90/100 %	9652 W	98.2 %	1.4 %

Temperature Rating	Maximum 40 °C Minimum -15 °C
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## Additional Information

Product Main Type	ACS580-04
Product Name	Frequency converter

## Classifications

ETIM 7	EC001857 - Frequency converter =< 1 kV
UNSPSC	39122001

## Environmental

SCIP	e9fd22a6-81c4-4079-87c1-83e8cf566d7a Finland (FI)
WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)

PRODUCT-DETAILS

# ACS580-04-725A-4

LV AC general purpose drive module, IEC: Pn 400 kW, 725 A, 400 V, UL: Pld 600 Hp, 705 A, 480 V (ACS580-04-725A-4)



## General Information

Global Commercial Alias	ACS580-04-725A-4
Product ID	3AUA0000170523
ABB Type Designation	ACS580-04-725A-4
EAN	6438177340454
Catalog Description	LV AC general purpose drive module, IEC: Pn 400 kW, 725 A, 400 V, UL: Pld 600 Hp, 705 A, 480 V (ACS580-04-725A-4)

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.

### Long Description

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

Country of Origin	Finland (FI)
Customs Tariff Number	85044086
Invoice Description	ACS580-04-725A-4 PN: 400 kW, IN: 725 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	307.719 dm <sup>3</sup>
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## Dimensions

Product Net Weight	199 kg 438.720 lb
Product Net Depth / Length	529 mm 20.827 in
Product Net Height	1662 mm 65.433 in
Product Net Width	350 mm 13.780 in
Package Level 1 Depth / Length	2060.00 mm 81.102 in
Package Level 1 Height	500.00 mm 19.685 in
Package Level 1 Width	670.00 mm 26.378 in
Package Level 1 Units	1 carton

## Technical

Number of Phases	3
Degree of Protection	IP00
Enclosure Type NEMA	Open Type
Altitude	1000 m 95
Sound dB (A)	72 dB(A)
Multiple Battery Information	Lithium Coin, CR2032, 220 mAh, 3 V, 1 pc, 3 g
Frequency (f)	47.5 ... 63 Hz
Frame Size	R11
Input Voltage (U <sub>in</sub> )	380 ... 480 V
Mounting Type	Module for cabinet building
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
	Control unit

PC connection

Analog Inputs	2
Analog Outputs	2
Number of Digital In/Outputs	6 / 3
Output Current, Heavy-Duty Use ( $I_{HD}$ )	566 A
Output Current, Light-Overload Use ( $I_{LD}$ )	715 A
Output Current, Normal Use ( $I_n$ )	725 A
Output Power, Heavy-Duty Use ( $P_{HD}$ )	315 kW
Output Power, Light-Overload Use ( $P_{LD}$ )	400 kW
Output Power, Normal Use ( $P_n$ )	400 kW
Apparent Power Output	502 kV·A
Efficiency Level	IE2
Standby Loss	466 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	2223 W	93.5 %	0.4 %
0/50 %	3150 W	95.3 %	0.5 %
0/100 %	5629 W	95.7 %	0.9 %
50/25 %	2399 W	96.5 %	0.4 %
50/50 %	3524 W	97.4 %	0.6 %
50/100 %	6547 W	97.6 %	1.1 %
90/50 %	4093 W	98.3 %	0.7 %
90/100 %	8108 W	98.3 %	1.3 %

Temperature Rating	Maximum 40 °C Minimum -15 °C
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## Additional Information

Product Main Type	ACS580-04
Product Name	Frequency converter

## Classifications

ETIM 7	EC001857 - Frequency converter =< 1 kV
UNSPSC	39122001

## Environmental

SCIP	e9fd22a6-81c4-4079-87c1-83e8cf566d7a Finland (FI)
WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)

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PRODUCT-DETAILS

# ACS580-04-650A-4

LV AC general purpose drive module, IEC: Pn 355 kW, 650 A, 400 V, UL: Pld 500 Hp, 623 A, 480 V (ACS580-04-650A-4)



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## General Information

Global Commercial Alias	ACS580-04-650A-4
Product ID	3AUA0000170522
ABB Type Designation	ACS580-04-650A-4
EAN	6438177340447
Catalog Description	LV AC general purpose drive module, IEC: Pn 355 kW, 650 A, 400 V, UL: Pld 500 Hp, 623 A, 480 V (ACS580-04-650A-4)

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.

### Long Description

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.

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## Ordering

Country of Origin	Finland (FI)
Customs Tariff Number	85044086
Invoice Description	ACS580-04-650A-4 PN: 355 kW, IN: 650 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	270.689 dm <sup>3</sup>
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## Dimensions

Product Net Weight	161 kg 354.945 lb
Product Net Depth / Length	529 mm 20.827 in
Product Net Height	1462 mm 57.559 in
Product Net Width	350 mm 13.780 in
Package Level 1 Depth / Length	2060.00 mm 81.102 in
Package Level 1 Height	500.00 mm 19.685 in
Package Level 1 Width	670.00 mm 26.378 in
Package Level 1 Units	1 carton

## Technical

Number of Phases	3
Degree of Protection	IP00
Enclosure Type NEMA	Open Type
Altitude	1000 m 95
Sound dB (A)	72 dB(A)
Multiple Battery Information	Lithium Coin, CR2032, 220 mAh, 3 V, 1 pc, 3 g
Frequency (f)	47.5 ... 63 Hz
Frame Size	R10
Input Voltage (U <sub>in</sub> )	380 ... 480 V
Mounting Type	Module for cabinet building
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
	Control unit

PC connection

Analog Inputs	2
Analog Outputs	2
Number of Digital In/Outputs	6 / 3
Output Current, Heavy-Duty Use ( $I_{HD}$ )	477 A
Output Current, Light-Overload Use ( $I_{LD}$ )	634 A
Output Current, Normal Use ( $I_n$ )	650 A
Output Power, Heavy-Duty Use ( $P_{HD}$ )	250 kW
Output Power, Light-Overload Use ( $P_{LD}$ )	355 kW
Output Power, Normal Use ( $P_n$ )	355 kW
Apparent Power Output	450 kV·A
Efficiency Level	IE2
Standby Loss	423 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	2143 W	93.1 %	0.4 %
0/50 %	3094 W	94.8 %	0.6 %
0/100 %	5693 W	95.2 %	1.1 %
50/25 %	2306 W	96.3 %	0.4 %
50/50 %	3445 W	97.2 %	0.6 %
50/100 %	6585 W	97.3 %	1.2 %
90/50 %	3956 W	98.2 %	0.7 %
90/100 %	8046 W	98.1 %	1.5 %

Temperature Rating	Maximum 40 °C Minimum -15 °C
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## Additional Information

Product Main Type	ACS580-04
Product Name	Frequency converter

## Classifications

ETIM 7	EC001857 - Frequency converter =< 1 kV
UNSPSC	39122001

## Environmental

SCIP	58f22844-2faf-42d0-845e-c7388e32f3e4 Finland (FI)
WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)

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)

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.

## Long Description

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

Country of Origin	Finland (FI)
Customs Tariff Number	85044086
Invoice Description	ACS580-04-585A-4 PN: 315 kW, IN: 585 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	270.689 dm <sup>3</sup>
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## Dimensions

Product Net Weight	161 kg 354.945 lb
Product Net Depth / Length	529 mm 20.827 in
Product Net Height	1462 mm 57.559 in
Product Net Width	350 mm 13.780 in
Package Level 1 Depth / Length	2060.00 mm 81.102 in
Package Level 1 Height	500.00 mm 19.685 in
Package Level 1 Width	670.00 mm 26.378 in
Package Level 1 Units	1 carton

## Technical

Number of Phases	3
Degree of Protection	IP00
Enclosure Type NEMA	Open Type
Altitude	1000 m 95
Sound dB (A)	72 dB(A)
Multiple Battery Information	Lithium Coin, CR2032, 220 mAh, 3 V, 1 pc, 3 g
Frequency (f)	47.5 ... 63 Hz
Frame Size	R10
Input Voltage (U <sub>in</sub> )	380 ... 480 V
Mounting Type	Module for cabinet building
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
	Control unit

Analog Inputs	2
Analog Outputs	2
Number of Digital In/Outputs	6 / 3
Output Current, Heavy-Duty Use ( $I_{HD}$ )	429 A
Output Current, Light-Overload Use ( $I_{LD}$ )	575 A
Output Current, Normal Use ( $I_n$ )	585 A
Output Power, Heavy-Duty Use ( $P_{HD}$ )	250 kW
Output Power, Light-Overload Use ( $P_{LD}$ )	315 kW
Output Power, Normal Use ( $P_n$ )	315 kW
Apparent Power Output	405 kV·A
Efficiency Level	IE2
Standby Loss	423 W
Complete Drive Module Efficiency (61800-9-2)	

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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## Additional Information

Product Main Type	ACS580-04
Product Name	Frequency converter

## Classifications

ETIM 7	EC001857 - Frequency converter =< 1 kV
UNSPSC	39122001

## Environmental

SCIP	58f22844-2faf-42d0-845e-c7388e32f3e4 Finland (FI)
WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)



PRODUCT-DETAILS

# ACS580-04-505A-4

LV AC general purpose drive module, IEC: Pn 250 kW, 505 A, 400 V, UL: Pld 400 Hp, 483 A, 480 V (ACS580-04-505A-4)



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## General Information

Global Commercial Alias	ACS580-04-505A-4
Product ID	3AUA0000170509
ABB Type Designation	ACS580-04-505A-4
EAN	6438177340423

Catalog Description      LV AC general purpose drive module, IEC: Pn 250 kW, 505 A, 400 V, UL: Pld 400 Hp, 483 A, 480 V (ACS580-04-505A-4)

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.

Long Description

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.

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## Ordering

Country of Origin	Finland (FI)
Customs Tariff Number	85044086
Invoice Description	ACS580-04-505A-4 PN: 250 kW, IN: 505 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	270.689 dm <sup>3</sup>
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## Dimensions

Product Net Weight	161 kg 354.945 lb
Product Net Depth / Length	529 mm 20.827 in
Product Net Height	1462 mm 57.559 in
Product Net Width	350 mm 13.780 in
Package Level 1 Depth / Length	2060.00 mm 81.102 in
Package Level 1 Height	500.00 mm 19.685 in
Package Level 1 Width	670.00 mm 26.378 in
Package Level 1 Units	1 carton

## Technical

Number of Phases	3
Degree of Protection	IP00
Enclosure Type NEMA	Open Type
Altitude	1000 m 95
Sound dB (A)	72 dB(A)
Multiple Battery Information	Lithium Coin, CR2032, 220 mAh, 3 V, 1 pc, 3 g
Frequency (f)	47.5 ... 63 Hz
Frame Size	R10
Input Voltage (U <sub>in</sub> )	380 ... 480 V
Mounting Type	Module for cabinet building
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 <sub>HD</sub> )	361 A

Output Current, Light-Overload Use ( $I_{LD}$ )	485 A
Output Current, Normal Use ( $I_n$ )	505 A
Output Power, Heavy-Duty Use ( $P_{HD}$ )	200 kW
Output Power, Light-Overload Use ( $P_{LD}$ )	250 kW
Output Power, Normal Use ( $P_n$ )	250 kW
Apparent Power Output	350 kV·A
Efficiency Level	IE2
Standby Loss	423 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	1842 W	92.4 %	0.4 %
0/50 %	2604 W	94.4 %	0.6 %
0/100 %	4581 W	95.0 %	1.1 %
50/25 %	1971 W	95.9 %	0.5 %
50/50 %	2864 W	97.0 %	0.7 %
50/100 %	5299 W	97.2 %	1.3 %
90/50 %	3275 W	98.1 %	0.8 %
90/100 %	6492 W	98.1 %	1.5 %

Temperature Rating	Maximum 40 °C Minimum -15 °C
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## Additional Information

Product Main Type	ACS580-04
Product Name	Frequency converter

## Classifications

ETIM 7	EC001857 - Frequency converter =< 1 kV
UNSPSC	39122001

## Environmental

SCIP	58f22844-2faf-42d0-845e-c7388e32f3e4 Finland (FI)
WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)

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