

## PRODUCT-DETAILS

# ACS880-04F-820A-5

LV AC industrial flange-mounted single drive module, IEC: Pn 560 kW, 820 A, 500 V, UL: Pld 700 Hp, 807 A, 480 V (ACS880-04F-820A-5)



## General Information

Global Commercial Alias	ACS880-04F-820A-5
Product ID	3AXD50000046020
ABB Type Designation	ACS880-04F-820A-5
EAN	6438177500483
Catalog Description	LV AC industrial flange-mounted single drive module, IEC: Pn 560 kW, 820 A, 500 V, UL: Pld 700 Hp, 807 A, 480 V (ACS880-04F-820A-5)
Long Description	Flange mounting (push through mounting) version of ACS880-04

## Ordering

Country of Origin	Finland (FI)
Customs Tariff Number	85044086
Invoice Description	ACS880-04F-820A-5 PN: 560 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	413.562 dm³
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## Dimensions

Product Net Weight	219 kg 482.813 lb
Product Net Depth / Length	405 mm
Product Net Height	1647 mm
Product Net Width	620 mm
Package Level 1 Depth / Length	2044 mm
Package Level 1 Height	700 mm
Package Level 1 Width	815 mm

## Technical

Number of Phases	3
Degree of Protection	IP20
Enclosure Type NEMA	Open Type
Altitude	4000 m
Sound dB (A)	75 dB(A)
Multiple Battery Information	Lithium Coin, CR2032, 220 mAh, 3 V, 2 pcs, 6 g
Frequency (f)	47.5 ... 63 Hz
Frame Size	R11
Input Voltage ( $U_{in}$ )	380 ... 500 V
Mounting Type	Module
Communication Protocol	CAN DeviceNet EtherNet/IP MODBUS Other Bus Systems PROFIsafe PROFIBUS PROFINET IO
Number of Hardware Interfaces	Industrial Ethernet 0 Other 4 Parallel 0 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 / 2
Output Current, Heavy- Duty Use ( $I_{HD}$ )	625 A
Output Current, Light- Overload Use ( $I_{LD}$ )	807 A
Output Current, Normal Use ( $I_N$ )	820 A
Output Power, Heavy- Duty Use ( $P_{HD}$ )	450 kW
Output Power, Light- Overload Use ( $P_{LD}$ )	560 kW

Output Power, Normal	560 kW
Use ( $P_n$ )	
Apparent Power Output	710 kV·A
Efficiency Level	IE2
Standby Loss	625 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	2831 W	0.4 %	93.0 %
0 / 50 %	3950 W	0.6 %	95.0 %
0 / 100 %	6913 W	1.0 %	95.5 %
50 / 25 %	3033 W	0.4 %	96.3 %
50 / 50 %	4339 W	0.6 %	97.3 %
50 / 100 %	8034 W	1.1 %	97.5 %
90 / 50 %	5020 W	0.7 %	98.2 %
90 / 100 %	9981 W	1.4 %	98.2 %

Temperature Rating	Maximum 40 °C
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Additional Information

Product Main Type	ACS880-04F
Product Name	Frequency converter

Classifications

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

Environmental

SCIP	d1352974-9712-4b98-83e4-1a826698600c Finland (FI)
WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)

Categories

Drives → Low Voltage AC Drives → Industrial Drives → ACS880 drive modules → ACS880-04F - Single drive module (flange-mounted)

