

PRODUCT-DETAILS

ACS880-04F-429A-7

LV AC industrial flange-mounted single drive module, IEC: Pn 400 kW, 429 A, 690 V, UL: Pld 450 Hp, 420 A, 575 V (ACS880-04F-429A-7)



General Information	
Global Commercial Alias	ACS880-04F-429A-7
Product ID	3AXD50000158942
ABB Type Designation	ACS880-04F-429A-7
EAN	6438177634867
Catalog Description	LV AC industrial flange-mounted single drive module, IEC: Pn 400 kW, 429 A, 690 V, UL: Pld 450 Hp, 420 A, 575 V (ACS880-04F-429A-7)
Long Description	Flange mounting (push through mounting) version of ACS880-04

Ordering	
Country of Origin	Finland (FI)
Customs Tariff Number	85044085
Invoice Description	ACS880-04F-429A-7 PN: 400 kW, IN: 429 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	
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})	525 ... 690 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})	360 A	
Output Current, Light-Overload Use (I _{LD})	420 A	
Output Current, Normal	429 A	

Use (I_n)	
Output Power, Heavy-	355 kW
Duty Use (P_{HD})	
Output Power, Light-	400 kW
Overload Use (P_{LD})	
Output Power, Normal	400 kW
Use (P_n)	
Apparent Power Output	513 kV-A
Efficiency Level	IE2
Standby Loss	439 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	1759 W	0.3 %	94.0 %
0 / 50 %	2291 W	0.4 %	95.9 %
0 / 100 %	3332 W	0.6 %	97.0 %
50 / 25 %	1882 W	0.4 %	96.8 %
50 / 50 %	2503 W	0.5 %	97.8 %
50 / 100 %	3828 W	0.7 %	98.3 %
90 / 50 %	2813 W	0.5 %	98.6 %
90 / 100 %	4539 W	0.9 %	98.9 %

Temperature Rating	Maximum 40 °C
--------------------	---------------

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	e7d01a07-ae61-49b4-b4bb-74f563632932 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)

