



PRODUCT-DETAILS

ACS880-04F-649A-3

LV AC industrial flange-mounted single drive module, IEC: Pn 355 kW, 649 A, 400 V (ACS880-04F-649A-3)



General Information	
Global Commercial Alias	ACS880-04F-649A-3
Product ID	3AXD50000046012
ABB Type Designation	ACS880-04F-649A-3
Catalog Description	LV AC industrial flange-mounted single drive module, IEC: Pn 355 kW, 649 A, 400 V (ACS880-04F-649A-3)
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-649A-3 PN: 355 kW, IN: 649 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 dm ³
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Dimensions	
Product Net Weight	219 kg
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 ... 415 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})	477 A
Output Current, Light-Overload Use (I _{LD})	634 A
Output Current, Normal Use (I _N)	649 A
Output Power, Heavy-	250 kW

Duty Use (P_{HD})	
Output Power, Light-	355 kW
Overload Use (P_{LD})	
Output Power, Normal	355 kW
Use (P_n)	
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	Relative Loss	Efficiency
0 / 25 %	1922 W	0.4 %	92.6 %
0 / 50 %	2680 W	0.6 %	94.6 %
0 / 100 %	4745 W	1.1 %	95.2 %
50 / 25 %	2066 W	0.5 %	96.0 %
50 / 50 %	2966 W	0.7 %	97.1 %
50 / 100 %	5498 W	1.2 %	97.3 %
90 / 50 %	3431 W	0.8 %	98.1 %
90 / 100 %	6793 W	1.5 %	98.1 %

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	
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)

