



PRODUCT-DETAILS

ACS880-04F-725A-3

LV AC industrial flange-mounted single drive module, IEC: Pn 400 kW, 725 A, 400 V (ACS880-04F-725A-3)



General Information

Global Commercial Alias	ACS880-04F-725A-3
Product ID	3AXD50000046013
ABB Type Designation	ACS880-04F-725A-3
Catalog Description	LV AC industrial flange-mounted single drive module, IEC: Pn 400 kW, 725 A, 400 V (ACS880-04F-725A-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-725A-3 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	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 ... 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})	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	400 kW

Use (P_n)

Apparent Power Output	502 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 %	2171 W	0.4 %	92.5 %
0 / 50 %	3072 W	0.6 %	94.5 %
0 / 100 %	5543 W	1.1 %	95.0 %
50 / 25 %	2341 W	0.5 %	96.0 %
50 / 50 %	3409 W	0.7 %	97.0 %
50 / 100 %	6450 W	1.3 %	97.1 %
90 / 50 %	3966 W	0.8 %	98.0 %
90 / 100 %	7989 W	1.6 %	98.0 %

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)
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Categories

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

