



PRODUCT-DETAILS

ACS480-04-039A-4

LV AC general purpose drive module, IEC: Pn 18.5 kW, 38 A, 400 V (ACS480-04-039A-4)



General Information	
Global Commercial Alias	ACS480-04-039A-4
Product ID	3AXD50000199075
ABB Type Designation	ACS480-04-039A-4
EAN	6438177508519
Catalog Description	LV AC general purpose drive module, IEC: Pn 18.5 kW, 38 A, 400 V (ACS480-04-039A-4)
Long Description	The ACS480 is a ready-made and capable package for many applications, such as compressors, fan and conveyors, in a variety of light industries, including food and beverage, logistics and warehousing, water and wastewater, and agriculture. It has all essential features built-in as standard, simplifying drive selection, and making additional hardware unnecessary. Straightforward settings menu and assistants enable fast setup, commissioning, use and maintenance. It's a great fit for variable torque and basic speed applications, where you can leverage a compact, cabinet-optimized design for a cost-effective and efficient solution.

Ordering	
Country of Origin	China (CN) Finland (FI)
Customs Tariff Number	85044086
HS Code	850440-- Electrical transformers, static converters (for example, rectifiers)

	and inductors.- Static converters
Invoice Description	ACS480-04-039A-4 PN: 18.5 kW, IN: 38 A
Made To Order	Yes
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Quote Only	No
Selling Unit of Measure	piece

Dimensions

Product Net Weight	5.6 kg 12.346 lb
Product Net Depth / Length	213 mm 8.386 in
Product Net Height	240 mm 9.449 in
Product Net Width	262 mm 10.315 in
Package Level 1 Depth / Length	356 mm 14.016 in
Package Level 1 Height	275 mm 10.827 in
Package Level 1 Width	290 mm 11.417 in
Package Level 1 Units	1 carton

Technical

Number of Phases	3
Degree of Protection	IP20
Enclosure Type NEMA	Open Type
Sound dB (A)	69 dB(A)
Multiple Battery Information	Lithium Coin, CR2032, 220 mAh, 3 V, 1 pc, 3 g
Frequency (f)	47.5 ... 63 Hz
Frame Size	R4
Input Voltage (U _{in})	380 ... 480 V
Mounting Type	Module
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 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 / 3
Output Current, Heavy-Duty Use (I_{HD})	32.0 A
Output Current, Light-Overload Use (I_{LD})	36.0 A
Output Current, Normal Use (I_n)	38 A
Output Power, Heavy-Duty Use (P_{HD})	15.0 kW
Output Power, Light-Overload Use (P_{LD})	18.5 kW
Output Power, Normal Use (P_n)	18.5 kW
Apparent Power Output	26 kV-A
Efficiency Level	IE2
Standby Loss	37 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	185 W	88.3 %	0.7 %
0/50 %	233 W	92.0 %	0.9 %
0/100 %	391 W	93.2 %	1.5 %
50/25 %	196 W	93.7 %	0.7 %
50/50 %	255 W	95.7 %	1.0 %
50/100 %	443 W	96.2 %	1.7 %
90/50 %	284 W	97.3 %	1.1 %
90/100 %	497 W	97.6 %	1.9 %

Temperature Rating	Maximum 50 °C
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Technical UL

Output Current, Heavy-Duty Use (UL)	27.0 A
Output Current, Light-Overload Use (UL)	34.0 A
Output Current, Normal Use (UL)	34 A

Classifications

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

Environmental

SCIP	195df5c0-4685-425b-8b31-e03d5656a0e8 Finland (FI)
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

Additional Information	
Product Name	Frequency converter

Categories
Drives → Low Voltage AC Drives → General Purpose Drives → ACS480-04 - Drive module



Submitted by TECO Group