PRODUCT-DETAILS

ACS180-04S-09A8-1

LV AC machinery drive module, IEC: Pn 2.2 kW, 9.8 A, 230 V, UL: Pld 3 Hp, 9.8 A, 230 V (ACS180 -04S-09A8-1)



General Information

Global Commercial Alias	ACS180-04S-09A8-1
Product ID	3AXD50000716616
ABB Type Designation	ACS180-04S-09A8-1
EAN	6438177649182
Catalog Description	LV AC machinery drive module, IEC: Pn 2.2 kW, 9.8 A, 230 V, UL: Pld 3 Hp, 9.8 A, 230 V (ACS180-04S-09A8-1)
Long Description	The ACS180 is a compact and robust adaptable variable speed drive (VSD) for applications such as pumps, fans, compressors, conveyors, winders and mixers. This easy-to-use compact VSD offers excellent performance and quality at superior value with all essential machinery application features embedded. And as a member of ABB's all-compatible drives portfolio, it shares the same architecture and user interfaces for ease of use.

Ordering

Customs Tariff Number	85044085
HS Code	850440 -- ELECTRICAL MACHINERY AND EQUIPMENT AND PARTS THEREOF; SOUND RECORDERS AND REPRODUCERS, TELEVISION IMAGE AND SOUND RECORDERS AND REPRODUCERS, AND PARTS AND ACCESSORIES OF SUCH ARTICLES;Electrical transformers, static

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	converters (for example, rectifiers) and inductors;Static converters
Invoice Description	ACS180-04S-09A8-1 PN: 2.2 kW, IN: 9.8 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	1.24 kg 2.734 lb
Product Net Depth / Length	143 mm 5.630 in
Product Net Height	220 mm 8.661 in
Product Net Width	70 mm 2.756 in
Package Level 1 Depth / Length	225 mm 8.858 in
Package Level 1 Height	115 mm 4.528 in
Package Level 1 Width	220 mm 8.661 in
Package Level 1 Units	1 carton

Certificates and Declarations

Declaration of Conformity - CE	3AXD10001117584
REACH Date	20250320
REACH Declaration	9AKK107992A7060
REACH Information	True - contains substances > 0.1 mass percentage
RoHS Date	20230321
RoHS Declaration	3AXD10001117584
RoHS Information	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

Technical

Number of Phases	1-phase
Degree of Protection	IP20
Enclosure Type NEMA	Open Type
Altitude	2000 m
	5 ... 95
Power Factor	0.98
Sound dB (A)	51.8 dB(A)
Multiple Battery Information	No battery / cell included
Frequency (f)	47 ... 63 Hz
Frame Size	R1
Input Voltage (U_{in})	200 ... 240 V
Mounting Type	Module
Communication Protocol	MODBUS
Number of Hardware Interfaces	Industrial Ethernet 0 Other 1

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	Parallel 0 PROFINET 0 RS-232 0 RS-422 0 RS-485 1 Serial TTY 0 USB 0
Includes	Control unit PC connection
Analog Inputs	2
Analog Outputs	1
Number of Digital In/Outputs	4 / 2
Output Current, Normal Use (I_n)	9.8 A
Output Current, Light-Overload Use (I_{LD})	9.3 A
Output Current, Heavy-Duty Use (I_{HD})	7.5 A
Output Power, Normal Use (P_n)	2.2 kW
Output Power, Light-Overload Use (P_{LD})	2.2 kW
Output Power, Heavy-Duty Use (P_{HD})	1.5 kW
	84 W
Apparent Power Output	3.9 kV·A
Complete Drive Module Efficiency (IEC61800-9-2)	

Operating Point Frequency / Current
0/25 %
0/50 %
0/100 %
50/25 %
50/50 %
50/100 %
90/50 %
90/100 %

Technical UL

Output Current, Heavy-Duty Use (UL)	7.5 A
Output Current, Light-Overload Use (UL)	9.8 A
Output Power, Heavy-Duty Use (UL)	2 Hp
Output Power, Light-Overload Use (UL)	3 Hp

External Classifications and Standards

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ETIM 9 EC001857 - Frequency converter =< 1 kV

Environmental

SCIP	030cdeeb-e61c-40db-b392-d77adebb2036 Finland
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

Categories

Drives → Low Voltage AC Drives → Machinery Drives → ACS180 - Machinery Drive



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