



 PRODUCT-DETAILS

ACS180-04S-04A8-1

LV AC machinery drive module, IEC: Pn 0.75 kW, 4.8 A, 230 V, UL: Pld 1 Hp, 4.6 A, 230 V (ACS180-04S-04A8-1)



General Information

Global Commercial Alias	ACS180-04S-04A8-1
Product ID	3AXD50000716586
ABB Type Designation	ACS180-04S-04A8-1
EAN	6438177649151

Catalog Description	LV AC machinery drive module, IEC: Pn 0.75 kW, 4.8 A, 230 V, UL: Pld 1 Hp, 4.6 A, 230 V (ACS180-04S-04A8-1)
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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.
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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

converters (for example, rectifiers) and inductors;Static converters

Invoice Description	ACS180-04S-04A8-1 PN: 0.75 kW, IN: 4.8 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	0.92 kg 2.028 lb
Product Net Depth / Length	143 mm 5.630 in
Product Net Height	209 mm 8.228 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

Technical

Number of Phases	1-phase
Degree of Protection	IP20
Enclosure Type NEMA	Open Type
Altitude	2000 m 5 ... 95
Power Factor	0.98
Multiple Battery Information	No battery / cell included
Frequency (f)	47 ... 63 Hz
Frame Size	R0
Input Voltage (U _{in})	200 ... 240 V
Mounting Type	Module
Communication Protocol	MODBUS
Number of Hardware Interfaces	Industrial Ethernet 0 Other 1 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	4.8 A

Use (I_n)	
Output Current, Light-	4.6 A
Overload Use (I_{LD})	
Output Current, Heavy-	3.5 A
Duty Use (I_{HD})	
Output Power, Normal	0.75 kW
Use (P_n)	
Output Power, Light-	0.75 kW
Overload Use (P_{LD})	
Output Power, Heavy-	0.55 kW
Duty Use (P_{HD})	
	48 W
Apparent Power Output	1.9 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)	3.7 A
Output Current, Light-Overload Use (UL)	4.6 A
Output Current, Normal Use (UL)	- A
Output Power, Heavy-Duty Use (UL)	0.75 Hp
Output Power, Light-Overload Use (UL)	1 Hp
Output Power, Normal Use (UL)	1 Hp

Certificates and Declarations

Declaration of Conformity - CE	3AXD10001117584
REACH Date	20250905
REACH Declaration	9AKK107992A7060
REACH Information	True - contains substances > 0.1 mass percentage
RoHS Date	20250106
RoHS Declaration	3AXD10001117584
RoHS Information	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

Environmental

SCIP	8df33f0d-6fb9-4799-9075-9031a17c1386 Finland
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

External Classifications and Standards

ETIM 9	EC001857 - Frequency converter =< 1 kV
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Categories

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

