



PRODUCT-DETAILS

ACS180-04S-03A3-4

LV AC machinery drive module, IEC: Pn 1.1 kW, 3.3 A, 400 V, UL: Pld 1.5 Hp, 3.0 A, 460 V (ACS180-04S-03A3-4)



General Information	
Global Commercial Alias	ACS180-04S-03A3-4
Product ID	3AXD50000716647
ABB Type Designation	ACS180-04S-03A3-4
EAN	6438177649212
Catalog Description	LV AC machinery drive module, IEC: Pn 1.1 kW, 3.3 A, 400 V, UL: Pld 1.5 Hp, 3.0 A, 460 V (ACS180-04S-03A3-4)
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 transformers, static converters (for example, rectifiers) and inductors.- Static converters
Invoice Description	ACS180-04S-03A3-4 PN: 1.1 kW, IN: 3.3 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	2.028 lb
Product Net Depth / Length	5.630 in
Product Net Height	8.228 in
Product Net Width	2.756 in
Package Level 1 Depth / Length	8.858 in
Package Level 1 Height	4.528 in
Package Level 1 Width	8.661 in
Package Level 1 Units	1 carton

Technical

Number of Phases	3
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})	380 ... 480 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
Analog Inputs	2
Analog Outputs	1
Number of Digital In/Outputs	4 / 2
Output Current, Normal Use (I_N)	3.3 A
Output Current, Light-Overload Use (I_{LD})	3.1 A
Output Current, Heavy-Duty Use (I_{HD})	2.4 A
Output Power, Normal	1.1 kW

Use (P_n)

Output Power, Light-	1.1 kW
Overload Use (P_{LD})	
Output Power, Heavy-	0.75 kW
Duty Use (P_{HD})	
Apparent Power Output	2.3 kV·A
Efficiency Level	IE2
Standby Loss	7 W
Complete Drive Module	
Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	19 W	86.5 %	0.8 %
0/50 %	22 W	91.5 %	0.9 %
0/100 %	29 W	93.8 %	1.3 %
50/25 %	20 W	92.7 %	0.9 %
50/50 %	23 W	95.4 %	1.0 %
50/100 %	32 W	96.6 %	1.4 %
90/50 %	26 W	97.1 %	1.1 %
90/100 %	38 W	97.7 %	1.6 %

Temperature Rating	Maximum 40 °C
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Technical UL

Output Current, Heavy-Duty Use (UL)	2.1 A
Output Current, Light-Overload Use (UL)	3.0 A
Output Current, Normal Use (UL)	3.0 A
Output Power, Heavy-Duty Use (UL)	1 Hp
Output Power, Light-Overload Use (UL)	1.5 Hp
Output Power, Normal Use (UL)	1.5 Hp

External Classifications and Standards

ETIM 9	EC001857 - Frequency converter =< 1 kV
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Environmental

WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
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Additional Information

Product Name	Frequency converter
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Categories

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

