

PRODUCT-DETAILS

ACS180-04S-048A-2

LV AC machinery drive module, IEC: Pn 11 kW, 48.0 A, 230 V, UL: Pld 15 Hp, 46.2 A, 208 V (ACS180-04S-048A-2)



General Information	
Global Commercial Alias	ACS180-04S-048A-2
Product ID	3AXD50000814589
ABB Type Designation	ACS180-04S-048A-2
EAN	6438177690313
Catalog Description	LV AC machinery drive module, IEC: Pn 11 kW, 48.0 A, 230 V, UL: Pld 15 Hp, 46.2 A, 208 V (ACS180-04S-048A-2)
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	
Country of Origin	China (CN) Finland (FI)
Customs Tariff Number	85044086
Invoice Description	ACS180-04S-048A-2 PN: 11.0 kW, IN: 48 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	5.3 kg 11.685 lb
Product Net Depth / Length	178.6 mm 7.031 in
Product Net Height	240 mm 9.449 in
Product Net Width	260 mm 10.236 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

Technical

Number of Phases	3
Degree of Protection	IP20
Enclosure Type NEMA	Open Type
Altitude	1000 m
Power Factor	0.98
Frequency (f)	47 ... 63 Hz
Frame Size	R4
Input Voltage (U _{in})	200 ... 240 V
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, Heavy-Duty Use (I _{HD})	30.8 A

Output Current, Light-Overload Use (I_{LD})	46.2 A
Output Current, Normal Use (I_n)	48.0 A
Output Power, Heavy-Duty Use (P_{HD})	7.5 kW
Output Power, Light-Overload Use (P_{LD})	11 kW
Output Power, Normal Use (P_n)	11 kW
Apparent Power Output	19 kV·A
Efficiency Level	IE2
Standby Loss	35 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	193 W	84.0 %	1.0 %
0/50 %	258 W	88.3 %	1.3 %
0/100 %	461 W	89.4 %	2.4 %
50/25 %	205 W	91.1 %	1.1 %
50/50 %	282 W	93.5 %	1.5 %
50/100 %	516 W	94.0 %	2.7 %
90/50 %	314 W	95.9 %	1.6 %
90/100 %	586 W	96.1 %	3.1 %

Temperature Rating	Maximum 40 °C
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Additional Information	
Product Main Type	ACS180-04S
Product Name	Frequency converter

Classifications	
ETIM 8	EC001857 - Frequency converter =< 1 kV
ETIM 9	EC001857 - Frequency converter =< 1 kV

Environmental	
SCIP	2fa266a4-ca31-4604-a9f6-9646f8174b5e Finland (FI)
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

Categories

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

