

## PRODUCT-DETAILS

# ACS180-04S-25A0-4

LV AC machinery drive module, IEC: Pn 11 kW, 25.0 A, 400 V, UL: Pld 15 Hp, 21.0 A, 460 V (ACS180-04S-25A0-4)



## General Information

Global Commercial Alias	ACS180-04S-25A0-4
Product ID	3AXD50000814237
ABB Type Designation	ACS180-04S-25A0-4
EAN	6438177689980
Catalog Description	LV AC machinery drive module, IEC: Pn 11 kW, 25.0 A, 400 V, UL: Pld 15 Hp, 21.0 A, 460 V (ACS180-04S-25A0-4)
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

Country of Origin	China (CN) Finland (FI)
Customs Tariff Number	85044086
Invoice Description	ACS180-04S-25A0-4 PN: 11.0 kW, IN: 25 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	3.3 kg 7.275 lb
Product Net Depth / Length	174 mm 6.850 in
Product Net Height	241 mm 9.488 in
Product Net Width	170 mm 6.693 in
Package Level 1 Depth / Length	248 mm 9.764 in
Package Level 1 Height	273 mm 10.748 in
Package Level 1 Width	250 mm 9.843 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	R3
Input Voltage (U <sub>in</sub> )	380 ... 480 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 <sub>HD</sub> )	17.0 A
Output Current, Light-Overload Use (I <sub>LD</sub> )	23.8 A
Output Current, Normal Use (I <sub>N</sub> )	25.0 A
Output Power, Heavy-Duty Use (P <sub>HD</sub> )	7.5 kW

Output Power, Light-Overload Use ( $P_{LD}$ )	11 kW
Output Power, Normal Use ( $P_n$ )	11 kW
Apparent Power Output	17 kV·A
Efficiency Level	IE2
Standby Loss	26 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	121 W	88.3 %	0.7 %
0/50 %	162 W	91.6 %	0.9 %
0/100 %	291 W	92.4 %	1.7 %
50/25 %	129 W	93.7 %	0.7 %
50/50 %	178 W	95.4 %	1.0 %
50/100 %	332 W	95.7 %	1.9 %
90/50 %	202 W	97.0 %	1.2 %
90/100 %	393 W	97.1 %	2.3 %

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	ce087935-c5d0-48c8-89ae-769efc3dfb30 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

