



 PRODUCT-DETAILS

ACS180-04N-01A8-4

LV AC machinery drive module, IEC: Pn 0.55 kW, 1.8 A, 400 V, UL: Pld 0.75 Hp, 1.6 A, 460 V (ACS180-04N-01A8-4)



General Information

Global Commercial Alias	ACS180-04N-01A8-4
Product ID	3AXD50000662432
ABB Type Designation	ACS180-04N-01A8-4
Catalog Description	LV AC machinery drive module, IEC: Pn 0.55 kW, 1.8 A, 400 V, UL: Pld 0.75 Hp, 1.6 A, 460 V (ACS180-04N-01A8-4)
Long Description	The ACS180 is a compact, robust, and 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	85044099
HS Code	850440-- Electrical transformers, static converters (for example, rectifiers) and inductors.- Static converters
Invoice Description	ACS180-04N-01A8-4 PN: 0.55kW, IN: 1.8A
Made To Order	No

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 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)	1.8 A
Output Current, Light-Overload Use (I _{LD})	1.7 A
Output Current, Heavy-Duty Use (I _{HD})	1.2 A
Output Power, Normal Use (P _n)	0.55 kW

Output Power, Light-Overload Use (P_{LD})	0.55 kW
Output Power, Heavy-Duty Use (P_{HD})	0.37 kW
Apparent Power Output	1.2 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 %	15 W	84.6 %	1.2 %
0/50 %	15 W	89.2 %	1.2 %
0/100 %	17 W	92.8 %	1.4 %
50/25 %	15 W	91.7 %	1.2 %
50/50 %	16 W	94.2 %	1.3 %
50/100 %	19 W	96.0 %	1.5 %
90/50 %	17 W	96.4 %	1.4 %
90/100 %	22 W	97.4 %	1.7 %

Temperature Rating Maximum 40 °C

Technical UL

Output Current, Heavy-Duty Use (UL)	1.1 A
Output Current, Light-Overload Use (UL)	1.6 A
Output Power, Heavy-Duty Use (UL)	0.5 Hp
Output Power, Light-Overload Use (UL)	0.75 Hp

External Classifications and Standards

UNSPSC 39122001

Environmental

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

Additional Information

Product Name FREQUENCY CONVERTER

Categories

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

