



 PRODUCT-DETAILS

ACS180-04S-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 (ACS180-04S-01A8-4)



General Information

Global Commercial Alias	ACS180-04S-01A8-4
Product ID	3AXD50000662562
ABB Type Designation	ACS180-04S-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 (ACS180-04S-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.
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Ordering

Customs Tariff Number	85044099
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-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	0.9 kg
Product Net Depth / Length	143 mm
Product Net Height	209 mm
Product Net Width	70 mm
Package Level 1 Depth / Length	225 mm
Package Level 1 Height	115 mm
Package Level 1 Width	220 mm
Package Level 1 Units	1 carton

Technical

Number of Phases	3-phase
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 PC connection
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 (IEC61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	15 W	84.1 %	1.2 %
0/50 %	16 W	88.8 %	1.2 %
0/100 %	18 W	92.5 %	1.4 %
50/25 %	16 W	91.4 %	1.3 %
50/50 %	16 W	94.0 %	1.3 %
50/100 %	19 W	95.9 %	1.6 %
90/50 %	18 W	96.3 %	1.4 %
90/100 %	22 W	97.4 %	1.8 %

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

Environmental

SCIP	bc3f21f6-ab11-453c-8372-42a57e38dab9 Finland
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

External Classifications and Standards

UNSPSC	39122001
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Categories

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



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