

PRODUCT-DETAILS

ACS180-04S-01A8-4

LV AC machinery drive module, IEC: Pn 0.55 kW, 1.8 A (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 (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.

Ordering

Country of Origin	China (CN)
Customs Tariff Number	85044099
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	0.92 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
Degree of Protection	IP20
Enclosure Type NEMA	Open Type
Frequency (f)	47.5 ... 63 Hz
Frame Size	R0
Input Voltage (U_{in})	380 ... 480 V
Mounting Type	Module_NO UNIT\$
Output Current, Heavy-Duty Use (I_{HD})	1.2 A
Output Current, Light-Overload Use (I_{LD})	1.7 A
Output Current, Normal Use (I_n)	1.8 A
Output Power, Heavy-Duty Use (P_{HD})	0.37 kW
Output Power, Light-Overload Use (P_{LD})	0.55 kW
Output Power, Normal Use (P_n)	0.55 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	Relative Loss	Efficiency
0 / 25 %	15 W	1.2 %	84.1 %
0 / 50 %	16 W	1.2 %	88.8 %
0 / 100 %	18 W	1.4 %	92.5 %
50 / 25 %	16 W	1.3 %	91.4 %
50 / 50 %	16 W	1.3 %	94.0 %
50 / 100 %	19 W	1.6 %	95.9 %
90 / 50 %	18 W	1.4 %	96.3 %
90 / 100 %	22 W	1.8 %	97.4 %

Temperature Rating	Maximum 40 °C
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Additional Information

Product Name	FREQUENCY CONVERTER
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Classifications

UNSPSC	39122001
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Environmental

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

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

