

PRODUCT-DETAILS

ACS180-04N-05A6-4

LV AC machinery drive module, IEC: Pn 2.2 kW, 5.6 A (ACS180-04N-05A6-4)



General Information

Global Commercial Alias	ACS180-04N-05A6-4
Product ID	3AXD50000662470
ABB Type Designation	ACS180-04N-05A6-4
Catalog Description	LV AC machinery drive module, IEC: Pn 2.2 kW, 5.6 A (ACS180-04N-05A6-4)
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	ACS180-04N-05A6-4 PN: 2.2kW, IN: 5.6A
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Quote Only	No
Selling Unit of Measure	piece

Container Information

Gross Volume	2.2 dm ³
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Dimensions

Product Net Weight	1.24 kg
Product Net Depth / Length	143 mm
Product Net Height	220 mm
Product Net Width	70 mm
Package Level 1 Depth / Length	215 mm
Package Level 1 Height	115 mm
Package Level 1 Width	230 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	R1
Input Voltage (U_{in})	380 ... 480 V
Mounting Type	Module_NO UNIT\$
Output Current, Heavy-Duty Use (I_{HD})	4 A
Output Current, Light-Overload Use (I_{LD})	5.3 A
Output Current, Normal Use (I_n)	5.6 A
Output Power, Heavy-Duty Use (P_{HD})	1.5 kW
Output Power, Light-Overload Use (P_{LD})	2.2 kW
Output Power, Normal Use (P_n)	2.2 kW
Apparent Power Output	3.9 kV·A
Efficiency Level	IE2
Standby Loss	9 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	30 W	0.8 %	87.2 %
0 / 50 %	36 W	0.9 %	91.8 %
0 / 100 %	50 W	1.3 %	93.7 %
50 / 25 %	32 W	0.8 %	93.1 %
50 / 50 %	39 W	1.0 %	95.5 %
50 / 100 %	57 W	1.5 %	96.4 %
90 / 50 %	44 W	1.1 %	97.1 %
90 / 100 %	68 W	1.8 %	97.6 %

Temperature RatingMaximum 40 °C

Additional Information

Product NameFREQUENCY CONVERTER

Classifications

UNSPSC39122001

Environmental

SCIP5d07f008-496e-4abd-8f50-616cb485c791 Finland (FI)

WEEE Category5. Small Equipment (No External Dimension More Than 50 cm)

Categories

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

