

PRODUCT-DETAILS

ACS180-04S-12A6-4

LV AC machinery drive module, IEC: Pn 5.5 kW, 12.6 A (ACS180-04S-12A6-4)



General Information	
Global Commercial Alias	ACS180-04S-12A6-4
Product ID	3AXD50000814046
ABB Type Designation	ACS180-04S-12A6-4
Catalog Description	LV AC machinery drive module, IEC: Pn 5.5 kW, 12.6 A (ACS180-04S-12A6-4)
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-12A6-4 PN: 5.5kW, IN: 12.6A
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 dm³
--------------	---------

Dimensions

Product Net Weight	1.71 kg
Product Net Depth / Length	143 mm
Product Net Height	202 mm
Product Net Width	120 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	R2
Input Voltage (U_{in})	380 ... 480 V
Mounting Type	Module_NO UNIT\$
Output Current, Heavy-Duty Use (I_{HD})	9.4 A
Output Current, Light-Overload Use (I_{LD})	12 A
Output Current, Normal Use (I_n)	12.6 A
Output Power, Heavy-Duty Use (P_{HD})	4 kW
Output Power, Light-Overload Use (P_{LD})	5.5 kW
Output Power, Normal Use (P_n)	5.5 kW
Efficiency Level	IE2
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	54 W	0.6 %	89.5 %
0 / 50 %	66 W	0.8 %	93.1 %
0 / 100 %	105 W	1.2 %	94.4 %
50 / 25 %	57 W	0.7 %	94.4 %
50 / 50 %	74 W	0.8 %	96.2 %
50 / 100 %	125 W	1.4 %	96.7 %
90 / 50 %	85 W	1.0 %	97.5 %
90 / 100 %	157 W	1.8 %	97.7 %

Additional Information

Product Name	FREQUENCY CONVERTER
--------------	---------------------

Classifications

UNSPSC	39122001
--------	----------

Environmental

SCIP	c4c7e908-d15d-4601-993d-bf271f952213 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

