



PRODUCT-DETAILS

ACS180-04S-050A-4

LV AC machinery drive module, IEC: Pn 22 kW,
50 A (ACS180-04S-050A-4)



General Information

Global Commercial Alias:	ACS180-04S-050A-4
Product ID:	3AXD50000814527
ABB Type Designation:	ACS180-04S-050A-4
Catalog Description:	LV AC machinery drive module, IEC: Pn 22 kW, 50 A (ACS180-04S-050A-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.
Display Name:	ACS180-04S-050A-4

Ordering

Customs Tariff Number:	85044087
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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-050A-4 PN:22kW, IN:50A
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:	5.21 kg
Product Net Depth / Length:	178 mm
Product Net Height:	205 mm
Product Net Width:	260 mm
Package Level 1 Depth / Length:	225 mm
Package Level 1 Height:	115 mm
Package Level 1 Width:	220 mm
Package Level 1 Units:	carton 1 piece

Technical

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	214 W	0.6 %	89.6 %
0 / 50 %	289 W	0.8 %	92.5 %
0 / 100 %	527 W	1.5 %	93.1 %
50 / 25 %	227 W	0.7 %	94.4 %
50 / 50 %	317 W	0.9 %	95.9 %
50 / 100 %	593 W	1.7 %	96.1 %
90 / 50 %	355 W	1.0 %	97.4 %
90 / 100 %	679 W	2.0 %	97.5 %

Number of Phases:	3-phase
Degree of Protection:	IP20
Enclosure Type NEMA:	Open Type
Frequency (f):	47.5 ... 63 Hz
Frame Size:	R4
Input Voltage (U_{in}):	380 ... 480 V
Mounting Type:	Module_NO UNIT\$

Output Current, Normal Use (I_n):	50 A
Output Current, Light-Overload Use (I_{LD}):	48 A
Output Current, Heavy-Duty Use (I_{HD}):	45 A
Output Power, Normal Use (P_n):	22 kW
Output Power, Light-Overload Use (P_{LD}):	22 kW
Output Power, Heavy-Duty Use (P_{HD}):	22 kW
Efficiency Level:	IE2

Environmental

SCIP:	a7e9add0-620e-4316-8bd6-c358d91bc66b Finland
WEEE Category:	5. Small Equipment (No External Dimension More Than 50 cm)

External Classifications and Standards

UNSPSC:	39122001
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Categories

Products > Drives > Low Voltage AC Drives > Machinery Drives > ACS180 - Machinery Drive

