PRODUCT-DETAILS

ACS180-04S-25A0-2

LV AC machinery drive module, IEC: Pn 5.5 kW, 25.0 A, 230 V, UL: Pld 7.5 Hp, 24.2 A, 208 V (ACS180-04S-25A0-2)

General Information

Global Commercial Alias:	ACS180-04S-25A0-2
Product ID:	3AXD50000814268
ABB Type Designation:	ACS180-04S-25A0-2
EAN:	6438177690016
Catalog Description:	LV AC machinery drive module, IEC: Pn 5.5 kW, 25.0 A, 230 V, UL: Pld 7.5 Hp, 24.2 A, 208 V (ACS180-04S-25A0-2)
Long Description:	The ACS180 is a compact and robust 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-25A0-2

Ordering

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Customs Tariff Number:	85044087
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-25A0-2 PN: 5.5 kW, IN: 25 A
Made To Order:	Yes
Minimum Order Quantity:	1 piece
Order Multiple:	1 piece
Quote Only:	No
Selling Unit of Measure:	piece

Dimensions

Product Net Weight:	3.3 kg 7.275 lb
Product Net Depth / Length:	174 mm 6.850 in
Product Net Height:	241 mm 9.488 in
Product Net Width:	170 mm 6.693 in
Package Level 1 Depth / Length:	248 mm 9.764 in
Package Level 1 Height:	273 mm 10.748 in
Package Level 1 Width:	250 mm 9.843 in
Package Level 1 Units:	carton 1 piece

Technical

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	104 W	83.5 %	1.0 %
0/50 %	143 W	87.7 %	1.4 %
0/100 %	266 W	88.4 %	2.7 %
50/25 %	114 W	90.6 %	1.1 %
50/50 %	164 W	92.8 %	1.6 %
50/100 %	320 W	93.0 %	3.2 %
90/50 %	196 W	95.1 %	2.0 %
90/100 %	400 W	95.0 %	4.0 %

Number of Phases:	3-phase
Degree of Protection:	IP20
Enclosure Type NEMA:	Open Type

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Altitude:	2000 m
Operating Humidity (RH_{amb}):	5 ... 95
Power Factor:	0.98
Sound dB (A):	66 dB(A)
Multiple Battery Information:	No battery / cell included
Frequency (f):	47 ... 63 Hz
Frame Size:	R3
Input Voltage (U_{in}):	200 ... 240 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):	25.0 A
Output Current, Light-Overload Use (I_{LD}):	24.2 A
Output Current, Heavy-Duty Use (I_{HD}):	16.7 A
Output Power, Normal Use (P_n):	5.5 kW
Output Power, Light-Overload Use (P_{LD}):	5.5 kW
Output Power, Heavy-Duty Use (P_{HD}):	4 kW
Power Consumption (@P_{cons}):	400 W
Apparent Power Output:	10 kV·A
Efficiency Level:	IE2
Standby Loss:	24 W
Temperature Rating:	Maximum 40 °C

Technical UL

Output Current, Heavy-Duty Use (UL):	17.5 A
Output Current, Light-Overload Use (UL):	24.2 A
Output Power, Heavy-Duty Use (UL):	5 Hp
Output Power, Light-Overload Use (UL):	7.5 Hp

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Subject to change without notice

Certificates and Declarations

Declaration of Conformity - CE:	3AXD10001117584
REACH Date:	20250905
REACH Declaration:	9AKK107992A7060
REACH Information:	True - contains substances > 0.1 mass percentage
RoHS Date:	20250106
RoHS Declaration:	3AXD10001117584
RoHS Information:	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

Environmental

SCIP:	86ca23c2-e410-4104-a24d-67fabcf299dc Finland
WEEE Category:	5. Small Equipment (No External Dimension More Than 50 cm)

External Classifications and Standards

ETIM 9:	EC001857 - Frequency converter =< 1 kV
ETIM 10:	EC001857 - Frequency converter =< 1 kV

Categories

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

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