



PRODUCT-DETAILS

ACS180-04S-01A8-4

LV AC machinery drive module, IEC: Pn 0.55 kW, 1.8 A, 400 V, UL: Pld 0.75 Hp, 1.6 A, 460 V (ACS180-04S-01A8-4)



General Information	
Global Commercial Alias:	ACS180-04S-01A8-4
Product ID:	3AXD50000716623
ABB Type Designation:	ACS180-04S-01A8-4
EAN:	6438177649199
Catalog Description:	LV AC machinery drive module, IEC: Pn 0.55 kW, 1.8 A, 400 V, UL: Pld 0.75 Hp, 1.6 A, 460 V (ACS180-04S-01A8-4)
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-01A8-4

Ordering

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-01A8-4 PN: 0.55 kW, IN: 1.8 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:	0.92 kg 2.028 lb
Product Net Depth / Length:	143 mm 5.630 in
Product Net Height:	209 mm 8.228 in
Product Net Width:	70 mm 2.756 in
Package Level 1 Depth / Length:	225 mm 8.858 in
Package Level 1 Height:	115 mm 4.528 in
Package Level 1 Width:	220 mm 8.661 in
Package Level 1 Units:	carton 1 piece

Technical

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	15 W	84.1 %	1.2 %
0/50 %	16 W	88.8 %	1.2 %
0/100 %	18 W	92.5 %	1.4 %
50/25 %	16 W	91.4 %	1.3 %
50/50 %	16 W	94.0 %	1.3 %
50/100 %	19 W	95.9 %	1.6 %
90/50 %	18 W	96.3 %	1.4 %
90/100 %	22 W	97.4 %	1.8 %

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

Altitude:	2000 m
Operating Humidity (RH _{amb}):	5 ... 95 %
Power Factor:	0.98
Multiple Battery Information:	No battery / cell included
Frequency (f):	47 ... 63 Hz
Frame Size:	R0
Input Voltage (U _{in}):	380 ... 480 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):	1.8 A
Output Current, Light-Overload Use (I _{LD}):	1.7 A
Output Current, Heavy-Duty Use (I _{HD}):	1.2 A
Output Power, Normal Use (P _n):	0.55 kW
Output Power, Light-Overload Use (P _{LD}):	0.55 kW
Output Power, Heavy-Duty Use (P _{HD}):	0.37 kW
Power Consumption (@P _{cons}):	22 W
Apparent Power Output:	1.2 kV-A
Efficiency Level:	IE2
Standby Loss:	7 W
Temperature Rating:	Maximum 40 °C

Technical UL

Output Current, Light-Overload Use (UL):	1.6 A
Output Current, Heavy-Duty Use (UL):	1.1 A
Output Power, Light-Overload Use (UL):	0.75 Hp
Output Power, Heavy-Duty Use (UL):	0.5 Hp

Certificates and Declarations

Declaration of Conformity - CE:	3AXD10001117584
REACH Date:	20260316
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

Recyclability Rate of the Product acc. to EN45555:	61.4 %
SCIP:	bc3f21f6-ab11-453c-8372-42a57e38dab9 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

