



PRODUCT-DETAILS

ACS180-04S-17A5-2

LV AC machinery drive module, IEC: Pn 4 kW, 17.5 A, 230 V, UL: Pld 5 Hp, 16.7 A, 208 V (ACS180-04S-17A5-2)



General Information

Global Commercial Alias	ACS180-04S-17A5-2
Product ID	3AXD50000814114
ABB Type Designation	ACS180-04S-17A5-2
EAN	6438177689867
Catalog Description	LV AC machinery drive module, IEC: Pn 4 kW, 17.5 A, 230 V, UL: Pld 5 Hp, 16.7 A, 208 V (ACS180-04S-17A5-2)
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.

Ordering

Customs Tariff Number	85044085
HS Code	850440-- Electrical transformers, static converters (for example, rectifiers) and inductors.- Static converters
Invoice Description	ACS180-04S-17A5-2 PN: 4.0 kW, IN: 17.5 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	2.01 kg 4.431 lb
Product Net Depth / Length	143 mm 5.630 in
Product Net Height	230 mm 9.055 in
Product Net Width	120 mm 4.724 in
Package Level 1 Depth / Length	287 mm 11.299 in
Package Level 1 Height	201 mm 7.913 in
Package Level 1 Width	176 mm 6.929 in
Package Level 1 Units	1 carton

Certificates and Declarations

Declaration of Conformity - CE	3AXD10001117584
REACH Date	20241203
REACH Declaration	9AKK107992A7060
REACH Information	True - contains substances > 0.1 mass percentage
RoHS Date	20230321
RoHS Information	3AXD10001117584
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

Technical

Number of Phases	3
Degree of Protection	IP20
Enclosure Type NEMA	Open Type
Altitude	2000 m 5 ... 95
Power Factor	0.98
Sound dB (A)	62 dB(A)
Multiple Battery Information	No battery / cell included
Frequency (f)	47 ... 63 Hz
Frame Size	R2
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)	17.5 A
Output Current, Light-Overload Use (I_{LD})	16.7 A
Output Current, Heavy-Duty Use (I_{HD})	14.6 A
Output Power, Normal Use (P_n)	4 kW
Output Power, Light-Overload Use (P_{LD})	4 kW
Output Power, Heavy-Duty Use (P_{HD})	3 kW
Apparent Power Output	198 W
Efficiency Level	7 kV·A
Standby Loss	IE2
Complete Drive Module Efficiency (IEC61800-9-2)	9 W

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	76 W	82.8 %	1.1 %
0/50 %	93 W	88.5 %	1.3 %
0/100 %	134 W	90.8 %	1.9 %
50/25 %	82 W	90.4 %	1.2 %
50/50 %	104 W	93.5 %	1.5 %
50/100 %	159 W	94.5 %	2.3 %
90/50 %	121 W	95.7 %	1.7 %
90/100 %	198 W	96.2 %	2.8 %

Temperature RatingMaximum 40 °C

Technical UL

Output Current, Heavy-Duty Use (UL)	12.2 A
Output Current, Light-Overload Use (UL)	16.7 A
Output Power, Heavy-Duty Use (UL)	4 Hp
Output Power, Light-Overload Use (UL)	5 Hp

External Classifications and Standards

ETIM 9EC001857 - Frequency converter =< 1 kV

Environmental

SCIP	40922a0b-ac0b-46c4-8517-b1d36d17a369 Finland
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

Categories

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

