



PRODUCT-DETAILS

ACS180-04S-12A6-4

LV AC machinery drive module, IEC: Pn 5.5 kW, 12.6 A, 400 V, UL: Pld 7.5 Hp, 11.0 A, 460 V (ACS180-04S-12A6-4)



General Information

Global Commercial Alias	ACS180-04S-12A6-4
Product ID	3AXD50000814077
ABB Type Designation	ACS180-04S-12A6-4
EAN	6438177689836

Catalog Description	LV AC machinery drive module, IEC: Pn 5.5 kW, 12.6 A, 400 V, UL: Pld 7.5 Hp, 11.0 A, 460 V (ACS180-04S-12A6-4)
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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.
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Ordering

Country of Origin	China (CN) Finland (FI)
Customs Tariff Number	85044085
HS Code	850440-- Electrical transformers, static converters (for example, rectifiers) and inductors.- Static converters
Invoice Description	ACS180-04S-12A6-4 PN: 5.5 kW, IN: 12.6 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

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})	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, Heavy-Duty Use (I_{HD})	9.4 A
Output Current, Light-Overload Use (I_{LD})	12.0 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
Apparent Power Output Efficiency Level	8.7 kV·A IE2
Standby Loss	12 W
Complete Drive Module Efficiency (61800-9-2)	

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

Temperature Rating Maximum 40 °C

Technical UL	
Output Current, Heavy-Duty Use (UL)	7.6 A
Output Current, Light-Overload Use (UL)	11.0 A
Output Power, Heavy-Duty Use (UL)	5 Hp
Output Power, Light-Overload Use (UL)	7.5 Hp

Classifications	
ETIM 8	EC001857 - Frequency converter =< 1 kV
ETIM 9	EC001857 - Frequency converter =< 1 kV

Environmental	
SCIP	c4c7e908-d15d-4601-993d-bf271f952213 Finland (FI)
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

Additional Information	
Product Name	Frequency converter

Categories

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



Submitted by TECO Group