

PRODUCT-DETAILS

ACS180-04S-04A8-2

LV AC machinery drive module, IEC: Pn 0.75 kW, 4.8 A, 230 V, UL: Pld 1 Hp, 4.6 A, 208 V (ACS180-04S-04A8-2)



General Information

Global Commercial Alias	ACS180-04S-04A8-2
Product ID	3AXD50000827534
ABB Type Designation	ACS180-04S-04A8-2
EAN	6438177690467
Catalog Description	LV AC machinery drive module, IEC: Pn 0.75 kW, 4.8 A, 230 V, UL: Pld 1 Hp, 4.6 A, 208 V (ACS180-04S-04A8-2)
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

Country of Origin	China (CN) Finland (FI)
Customs Tariff Number	85044085
Invoice Description	ACS180-04S-04A8-2 PN: 0.75 kW, IN: 4.8 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

Technical

Number of Phases	3
Degree of Protection	IP20
Enclosure Type NEMA	Open Type
Altitude	1000 m
Power Factor	0.98
Frequency (f)	47 ... 63 Hz
Frame Size	R0
Input Voltage (U_{in})	200 ... 240 V
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})	3.2 A

Output Current, Light-Overload Use (I_{LD})	4.6 A
Output Current, Normal Use (I_n)	4.8 A
Output Power, Heavy-Duty Use (P_{HD})	0.55 kW
Output Power, Light-Overload Use (P_{LD})	0.75 kW
Output Power, Normal Use (P_n)	0.75 kW
Apparent Power Output	1.9 kV·A
Efficiency Level	IE2
Standby Loss	7 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	18 W	84.6 %	1.0 %
0/50 %	22 W	89.8 %	1.2 %
0/100 %	32 W	92.0 %	1.6 %
50/25 %	19 W	91.5 %	1.0 %
50/50 %	24 W	94.4 %	1.3 %
50/100 %	36 W	95.4 %	1.9 %
90/50 %	28 W	96.4 %	1.5 %
90/100 %	44 W	96.9 %	2.3 %

Temperature Rating	Maximum 40 °C
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Additional Information	
Product Main Type	ACS180-04S
Product Name	Frequency converter

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

Environmental	
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

Categories

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

