



PRODUCT-DETAILS

ACS580-01-018A-4

ACS580-01-018A-4 PN: 7.5 kW, IN: 17.0 A

General Information

Global Commercial Alias	ACS580-01-018A-4
Product ID	3AXD50000038959
ABB Type Designation	ACS580-01-018A-4
EAN	6438177459248
Catalog Description	ACS580-01-018A-4 PN: 7.5 kW, IN: 17.0 A

Long Description	<p>The ACS580-01 is plug-in ready to control your compressors, conveyors, pumps, extruders, centrifuges, mixers, fans and many other variable and constant torque applications, in a variety of light industries, including food and beverage, plastic, textile, material handling, and agriculture.</p> <p>All essential features are built-in as standard, simplifying drive selection, and making additional hardware unnecessary. Versatile and straightforward settings menu and assistants enable fast setup, commissioning, use and maintenance, while rugged and robust design makes it a good fit for various environments. With the ACS580 drives you can easily take full control of your processes to comprehensively manage your plant. The wall-mounted ACS580-01 comes in IP21 enclosure as standard. Also, IP55 and flange mounting units are available.</p>
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Ordering

Country of Origin	Romania (RO) Finland (FI) China (CN)
Customs Tariff Number	85044086
Invoice Description	ACS580-01-018A-4 PN: 7.5 kW, IN: 17.0 A

Made To Order	Yes
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Quote Only	No
Selling Unit of Measure	piece

Container Information

Gross Volume	13.54 dm ³
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Dimensions

Product Net Weight	6.6 kg 14.551 lb
Product Net Depth / Length	229 mm 9.016 in
Product Net Height	473 mm 18.622 in
Product Net Width	125 mm 4.921 in
Package Level 1 Depth / Length	225.00 mm 8.858 in
Package Level 1 Height	370.00 mm 14.567 in
Package Level 1 Width	621.00 mm 24.449 in
Package Level 1 Units	1 carton

Technical

Number of Phases	3
Degree of Protection	IP21
Enclosure Type NEMA	Type1
Altitude	1000 m
	95
Sound dB (A)	64 dB(A)
Multiple Battery Information	Lithium Coin, CR2032, 220 mAh, 3 V, 1 pc, 3 g
Frequency (f)	47.5 ... 63 Hz
Frame Size	R2
Input Voltage (U _{in})	380 ... 480 V
Mounting Type	Wall-mounted
Communication Protocol	CAN DeviceNet EtherNet/IP MODBUS Other Bus Systems PROFIBUS PROFINET IO TCP/IP
Number of Hardware Interfaces	Industrial Ethernet 0 Other 2 Parallel 2 PROFINET 0 RS-232 0 RS-422 0 RS-485 1 Serial TTY 0 USB 1

Includes	Control unit PC connection
Analog Inputs	2
Analog Outputs	2
Number of Digital In/Outputs	6 / 3
Output Current, Heavy-Duty Use (I_{HD})	12.6 A
Output Current, Light-Overload Use (I_{LD})	16.2 A
Output Current, Normal Use (I_n)	17 A
Output Power, Heavy-Duty Use (P_{HD})	5.5 kW
Output Power, Light-Overload Use (P_{LD})	7.5 kW
Output Power, Normal Use (P_n)	7.5 kW
Apparent Power Output	12 kV·A
Efficiency Level	IE2
Standby Loss	15 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	91 W	87.2 %	0.8 %
0/50 %	114 W	91.4 %	1.0 %
0/100 %	189 W	92.7 %	1.6 %
50/25 %	96 W	93.1 %	0.8 %
50/50 %	124 W	95.3 %	1.1 %
50/100 %	210 W	96.0 %	1.8 %
90/50 %	134 W	97.1 %	1.1 %
90/100 %	240 W	97.4 %	2.0 %

Temperature Rating	Maximum 40 °C Minimum -15 °C
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Additional Information

Product Main Type	ACS580-01
Product Name	Frequency converter

Classifications

ETIM 7	EC001857 - Frequency converter =< 1 kV
UNSPSC	39122001

Environmental

SCIP	4a4ed2db-43e7-4612-8e9c-3921e4acd08b Finland (FI)
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

Categories

Drives → Low Voltage AC Drives → General Purpose Drives → ACS580-01 - Wall-mounted drive