



PRODUCT-DETAILS

ACS380-040S-17A0-4

LV AC machinery drive module, IEC: Pn 7.5 kW, 17.0 A, 400 V, UL: Pld 10 Hp, 14 A, 480 V (ACS380-040S-17A0-4)



General Information	
Global Commercial Alias	ACS380-040S-17A0-4
Product ID	3AXD50000031894
ABB Type Designation	ACS380-040S-17A0-4
EAN	6438177506461
Catalog Description	LV AC machinery drive module, IEC: Pn 7.5 kW, 17.0 A, 400 V, UL: Pld 10 Hp, 14 A, 480 V (ACS380-040S-17A0-4)
Long Description	The ACS380 machinery drive comes in several variants ensuring seamless integration into machines and connecting perfectly to automation systems. It's a great fit for industries such as food and beverage, material handling and textile. Typical applications include mixers, conveyors, EOT and tower cranes, extruders and textile machinery.
	With the integrated functional safety features, the ACS380 drive can be also part of the machine's safety system via PROFIsafe over PROFINET, ensuring the motor is safely stopped when required. In addition, the drive's software can be easily customized with adaptive programming to match any specific application requirements.

Ordering

Customs Tariff Number	85044085
HS Code	850440-- Electrical transformers, static converters (for example, rectifiers) and inductors.- Static converters
Invoice Description	ACS380-040S-17A0-4 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

Dimensions

Product Net Weight	3.3 kg 7.275 lb
Product Net Depth / Length	176 mm 6.929 in
Product Net Height	241.3 mm
Product Net Width	170 mm 6.693 in
Package Level 1 Depth / Length	284 mm 11.181 in
Package Level 1 Height	273 mm 10.748 in
Package Level 1 Width	250 mm 9.843 in
Package Level 1 Units	1 carton

Certificates and Declarations

Declaration of Conformity - CE	3AXD10000495941
REACH Date	20241203
REACH Declaration	9AKK107992A7060
REACH Information	True - contains substances > 0.1 mass percentage
RoHS Date	20230303
RoHS Information	3AXD10000495941
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	1000 m 5 ... 95
Power Factor	0.98
Sound dB (A)	65.80 dB(A)
Multiple Battery Information	No battery / cell included
Frequency (f)	47.5 ... 63 Hz
Frame Size	R3
Input Voltage (U _{in})	380 ... 480 V
Mounting Type	Module
Communication Protocol	MODBUS Other Bus Systems

Number of Hardware Interfaces	Industrial Ethernet	0
	Other	3
	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		5 / 2
Output Current, Normal Use (I_n)		17.0 A
Output Current, Light-Overload Use (I_{LD})		16.2 A
Output Current, Heavy-Duty Use (I_{HD})		12.6 A
Output Power, Normal Use (P_n)		7.5 kW
Output Power, Light-Overload Use (P_{LD})		7.5 kW
Output Power, Heavy-Duty Use (P_{HD})		5.5 kW
		259 W
Apparent Power Output		12 kV·A
Efficiency Level		IE2
Standby Loss		25 W
Complete Drive Module Efficiency (IEC61800-9-2)		

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	87 W	87.7 %	0.7 %
0/50 %	111 W	91.6 %	0.9 %
0/100 %	189 W	92.7 %	1.6 %
50/25 %	92 W	93.4 %	0.8 %
50/50 %	122 W	95.4 %	1.0 %
50/100 %	216 W	95.9 %	1.8 %
90/50 %	138 W	97.0 %	1.2 %
90/100 %	256 W	97.2 %	2.2 %

Temperature Rating	Maximum 50 °C
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Technical UL	
Output Current, Heavy-Duty Use (UL)	11 A
Output Current, Light-Overload Use (UL)	14 A
Output Current, Normal Use (UL)	14.0 A

Output Power, Heavy-Duty Use (UL)	7.5 Hp
Output Power, Light-Overload Use (UL)	10 Hp

External Classifications and Standards

ETIM 9	EC001857 - Frequency converter =< 1 kV
UNSPSC	39122001

Environmental

SCIP	df291eaa-8422-40ff-acd0-55c77c3d1d9f Finland (FI)
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

Additional Information

Product Name	Frequency converter
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Categories

Drives → Low Voltage AC Drives → Machinery Drives → ACS380 - Machinery Drive

