



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 <u>adaptive programming to match any specific application requirements.</u>

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

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-	12.6 A

Duty Use (I_{HD})Output Power, Normal Use (P_n) 7.5 kWOutput Power, Light-Overload Use (P_{LD}) 7.5 kWOutput Power, Heavy-Duty Use (P_{HD}) 5.5 kW

Apparent Power Output 12 kV·A

Efficiency Level IE2

Standby Loss 25 W

Complete Drive Module
Efficiency (61800-9-2)

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

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 8 EC001857 - Frequency converter =< 1 kV

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

Categories

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

