



PRODUCT-DETAILS

ACS380-040S-07A2-4

**LV AC machinery drive module, IEC: Pn 3 kW, 7.2 A, 400 V, UL: PId 3 Hp, 6.0 A, 480 V
(ACS380-040S-07A2-4)**



General Information

Global Commercial Alias	ACS380-040S-07A2-4
Product ID	3AXD50000031891
ABB Type Designation	ACS380-040S-07A2-4
EAN	6438177506430
Catalog Description	LV AC machinery drive module, IEC: Pn 3 kW, 7.2 A, 400 V, UL: PId 3 Hp, 6.0 A, 480 V (ACS380-040S-07A2-4)

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 MACHINERY AND EQUIPMENT AND PARTS THEREOF; SOUND RECORDERS AND REPRODUCERS, TELEVISION IMAGE AND SOUND RECORDERS AND REPRODUCERS, AND PARTS AND ACCESSORIES OF SUCH ARTICLES; Electrical transformers, static converters (for example, rectifiers) and inductors; Static converters

<u>Invoice Description</u>	ACS380-040S-07A2-4 PN: 3.0 kW, IN: 7.2 A
<u>Made To Order</u>	Yes
<u>Minimum Order Quantity</u>	1 piece
<u>Order Multiple</u>	1 piece
<u>Quote Only</u>	No
<u>Selling Unit of Measure</u>	piece

Dimensions

<u>Product Net Weight</u>	1.40 kg 3.086 lb
<u>Product Net Depth / Length</u>	176 mm 6.929 in
<u>Product Net Height</u>	223 mm 8.780 in
<u>Product Net Width</u>	70 mm 2.756 in
<u>Package Level 1 Depth / Length</u>	282 mm 11.102 in
<u>Package Level 1 Height</u>	273 mm 10.748 in
<u>Package Level 1 Width</u>	148 mm 5.827 in
<u>Package Level 1 Units</u>	1 carton

Certificates and Declarations

<u>Declaration of Conformity</u>	3AXD10000495941
- CE	
<u>REACH Date</u>	20250320
<u>REACH Declaration</u>	9AKK107992A7060
<u>REACH Information</u>	True - contains substances > 0.1 mass percentage
<u>RoHS Date</u>	20230303
<u>RoHS Declaration</u>	3AXD10000495941
<u>RoHS Information</u>	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

Technical

<u>Number of Phases</u>	3-phase
<u>Degree of Protection</u>	IP20
<u>Enclosure Type NEMA</u>	Open Type
<u>Altitude</u>	1000 m
	5 ... 95
<u>Power Factor</u>	0.98
<u>Sound dB (A)</u>	63.10 dB(A)
<u>Multiple Battery Information</u>	No battery / cell included
<u>Frequency (f)</u>	47.5 ... 63 Hz
<u>Frame Size</u>	R1
<u>Input Voltage (U_{in})</u>	380 ... 480 V
<u>Mounting Type</u>	Module
<u>Communication Protocol</u>	MODBUS Other Bus Systems Industrial Ethernet 0 Other 3 Parallel 0 PROFINET 0 RS-232 0 RS-422 0 RS-485 1 Serial TTY 0
<u>Number of Hardware Interfaces</u>	

Includes	USB 0
Analog Inputs	Control unit
Analog Outputs	PC connection
Number of Digital In/Outputs	5 / 2
Output Current, Normal	7.2 A
Use (I_n)	
Output Current, Light-Overload Use (I_{LD})	6.8 A
Output Current, Heavy-Duty Use (I_{HD})	5.6 A
Output Power, Normal	3 kW
Use (P_n)	
Output Power, Light-Overload Use (P_{LD})	3.0 kW
Output Power, Heavy-Duty Use (P_{HD})	2.2 kW
Apparent Power Output	100 W
Efficiency Level	5.0 kV·A
Standby Loss	IE2
Complete Drive Module	15 W
Efficiency (IEC61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	46 W	85.1 %	0.9 %
0/50 %	54 W	90.5 %	1.1 %
0/100 %	74 W	92.8 %	1.5 %
50/25 %	48 W	92.0 %	1.0 %
50/50 %	58 W	94.8 %	1.2 %
50/100 %	84 W	95.9 %	1.7 %
90/50 %	65 W	96.7 %	1.3 %
90/100 %	99 W	97.3 %	2.0 %

Temperature Rating	Maximum 50 °C
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Technical UL

Output Current, Heavy-Duty Use (UL)	4.8 A
Output Current, Light-Overload Use (UL)	6.0 A
Output Current, Normal Use (UL)	6.0 A
Output Power, Heavy-Duty Use (UL)	3 Hp
Output Power, Light-Overload Use (UL)	3 Hp

External Classifications and Standards

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

Environmental

SCIP

df417ff4-f8a5-4aa8-b5b9-bb43623953af Finland

WEEE Category

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

Categories

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

