

PRODUCT-DETAILS

# ACS380-040S-12A2-1

## LV AC machinery drive module, IEC: Pn 3 kW, 12.2 A (ACS380-040S-12A2-1)



General Information

Global Commercial Alias	ACS380-040S-12A2-1
Product ID	3ABD00045162
ABB Type Designation	ACS380-040S-12A2-1
Catalog Description	LV AC machinery drive module, IEC: Pn 3 kW, 12.2 A (ACS380-040S-12A2-1)
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

Country of Origin	China (CN) Finland (FI)
Customs Tariff Number	85044099
Invoice Description	ACS380-040S-12A2-1 PN: 3kW, IN: 12.2A
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece

Quote Only	No
Selling Unit of Measure	piece

Dimensions	
Product Net Weight	2.5 kg
Product Net Depth / Length	176 mm
Product Net Height	223 mm
Product Net Width	95 mm
Package Level 1 Depth / Length	280 mm
Package Level 1 Height	270 mm
Package Level 1 Width	145 mm
Package Level 1 Units	0 carton

Technical	
Number of Phases	3
Degree of Protection	IP20
Enclosure Type NEMA	Open Type
Frequency (f)	47.5 ... 63 Hz
Frame Size	R2
Input Voltage ( $U_{in}$ )	200 ... 240 V
Mounting Type	Module_NO UNIT\$
Output Current, Heavy-Duty Use ( $I_{HD}$ )	9.8 A
Output Current, Light-Overload Use ( $I_{LD}$ )	11.6 A
Output Current, Normal Use ( $I_n$ )	12.2 A
Output Power, Heavy-Duty Use ( $P_{HD}$ )	2.2 kW
Output Power, Light-Overload Use ( $P_{LD}$ )	3 kW
Output Power, Normal Use ( $P_n$ )	3 kW
Efficiency Level	IE2
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	48 W	1.0 %	84.2 %
0 / 50 %	58 W	1.2 %	89.5 %
0 / 100 %	80 W	1.7 %	92.0 %
50 / 25 %	52 W	1.1 %	91.2 %
50 / 50 %	65 W	1.3 %	94.1 %
50 / 100 %	94 W	1.9 %	95.3 %
90 / 50 %	74 W	1.5 %	96.2 %
90 / 100 %	112 W	2.3 %	96.9 %

Additional Information

Product Name	FREQUENCY CONVERTER
--------------	---------------------

Classifications

UNSPSC	39122001
--------	----------

Environmental

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

Categories

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

