



PRODUCT-DETAILS

ACS380-042S-038A-4

LV AC machinery drive module, IEC: Pn 18.5 kW, 38 A (ACS380-042S-038A-4)



General Information	
Global Commercial Alias	ACS380-042S-038A-4
Product ID	3ABD00046109
ABB Type Designation	ACS380-042S-038A-4
Catalog Description	LV AC machinery drive module, IEC: Pn 18.5 kW, 38 A (ACS380-042S-038A-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	
Country of Origin	China (CN)
Customs Tariff Number	85044099
Invoice Description	ACS380-042S-038A-4 PN: 18.5kW, IN: 38A
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	5.3 kg
Product Net Depth / Length	176 mm
Product Net Height	240 mm
Product Net Width	260 mm
Package Level 1 Depth / Length	355 mm
Package Level 1 Height	270 mm
Package Level 1 Width	290 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	R4
Input Voltage (U_{in})	380 ... 480 V
Mounting Type	Module_NO UNIT\$
Output Current, Heavy-Duty Use (I_{HD})	32 A
Output Current, Light-Overload Use (I_{LD})	36 A
Output Current, Normal Use (I_n)	38 A
Output Power, Heavy-Duty Use (P_{HD})	15 kW
Output Power, Light-Overload Use (P_{LD})	18.5 kW
Output Power, Normal Use (P_n)	18.5 kW
Efficiency Level	IE2
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	185 W	0.7 %	88.3 %
0 / 50 %	233 W	0.9 %	92.0 %
0 / 100 %	391 W	1.5 %	93.2 %
50 / 25 %	196 W	0.7 %	93.7 %
50 / 50 %	255 W	1.0 %	95.7 %
50 / 100 %	443 W	1.7 %	96.2 %
90 / 50 %	284 W	1.1 %	97.3 %
90 / 100 %	497 W	1.9 %	97.6 %

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

