

PRODUCT-DETAILS

# ACS880-04-590A-7+D150+H356

## LV AC industrial single drive module, IEC: Pn 560 kW, 590 A (ACS880-04-590A-7+D150+H356)



General Information

Global Commercial Alias	ACS880-04-590A-7+D150+H356
Product ID	3ABD00039539-D
ABB Type Designation	ACS880-04-590A-7+D150+H356
Catalog Description	LV AC industrial single drive module, IEC: Pn 560 kW, 590 A (ACS880-04-590A-7+D150+H356)

Long Description	<p>The ACS880-04 drives are customized to meet the particular needs of specific industries, such as oil and gas, mining, metals, chemicals, cement, power plants, material handling, pulp and paper, sawmills, marine, water and wastewater, food and beverage, and automotive. They can control a wide range of applications, including cranes, extruders, winches, winders, conveyors, mixers, compressors, centrifuges, test benches, elevators, extruders, pumps, and fans. The ACS880-04 modules have all the essential features built-in, including a choke for harmonic filtering as standard, and options such as a brake chopper, EMC filter and communication protocol adapter, functional safety and I/O extension modules. The all built-in design combined with IP20 protection significantly simplifies engineering. The drive's compact size, flexible cabling directions and versatile mounting possibilities from narrow bookshelf to flat mounting and horizontal mounting make it an ideal fit for almost any enclosure. The control unit with I/O and communication connections can be mounted outside the power module or integrated into it.</p>
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Ordering

Country of Origin	China (CN)
Customs Tariff Number	85044099
Invoice Description	ACS880-04-590A-7+D150+H356 PN: 560KW, IN: 590A

Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Quote Only	No
Selling Unit of Measure	piece

Container Information

Gross Volume	31 dm³
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Dimensions

Product Net Weight	199 kg
Product Net Depth / Length	506 mm
Product Net Height	1741 mm
Product Net Width	350 mm
Package Level 1 Depth / Length	2050 mm
Package Level 1 Height	690 mm
Package Level 1 Width	645 mm
Package Level 1 Units	1 carton

Technical

Number of Phases	3
Degree of Protection	IP20
Enclosure Type NEMA	Open Type
Frequency (f)	47.5 ... 63 Hz
Frame Size	R11
Input Voltage ( $U_{in}$ )	525 ... 690 V
Mounting Type	Module_NO UNIT\$
Output Current, Heavy-Duty Use ( $I_{HD}$ )	505 A
Output Current, Light-Overload Use ( $I_{LD}$ )	571 A
Output Current, Normal Use ( $I_n$ )	590 A
Output Power, Heavy-Duty Use ( $P_{HD}$ )	500 kW
Output Power, Light-Overload Use ( $P_{LD}$ )	560 kW
Output Power, Normal Use ( $P_n$ )	560 kW
Efficiency Level	IE2
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	2925 W	0.4 %	92.8 %
0 / 50 %	4060 W	0.6 %	94.8 %
0 / 100 %	6562 W	0.9 %	95.7 %
50 / 25 %	3161 W	0.4 %	96.1 %
50 / 50 %	4497 W	0.6 %	97.2 %
50 / 100 %	7562 W	1.1 %	97.6 %
90 / 50 %	5078 W	0.7 %	98.2 %
90 / 100 %	8851 W	1.3 %	98.4 %

Additional Information

Product Name	Frequency Converter
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Classifications

UNSPSC	39122001
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Environmental

WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)
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Categories

Drives → Low Voltage AC Drives → Industrial Drives → ACS880 drive modules → ACS880-04 - Single drive module

