



 PRODUCT-DETAILS

ACS310-03U-09A7-4

LV AC drive module for pumps and fans, IEC:
Pn 5 Hp, 9.7 A (ACS310-03U-09A7-4)



General Information

Global Commercial Alias	ACS310-03U-09A7-4
Product ID	3AUA0000049487
ABB Type Designation	ACS310-03U-09A7-4
EAN	6438177223047
Catalog Description	LV AC drive module for pumps and fans, IEC: Pn 5 Hp, 9.7 A (ACS310-03U-09A7-4)
Long Description	The ACS310 drives are designed for variable torque applications such as booster pumps and supply and return fans. The drive includes a powerful and beneficial set of features designed for pump and fan applications. These features include built-in PID controllers and pump and fan control (PFC) that varies the drive's performance in response to changes in pressure, flow or other external data.

Ordering

Customs Tariff Number	85044084
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
Invoice Description	ACS310-03U-09A7-4, 480 VAC, Pn 5HP, I2n 9.7A, IP20

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	3.1 lb
Product Net Depth / Length	6.34 in
Product Net Height	9.41 in
Product Net Width	2.76 in

Technical

Number of Phases	3-phase
Degree of Protection	IP20
Frequency (f)	50/60 Hz
Frame Size	R1
Input Voltage (U _{in})	380 ... 480 V
Mounting Type	Wall-mounting
Output Current, Normal Use (I _n)	9.7 A
Output Power, Normal Use (P _n)	5 Hp
Apparent Power Output	8.1 kV-A
Efficiency Level	IE2
Standby Loss	9 W
Complete Drive Module Efficiency (IEC61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	59 W	0.7 %	87.8 %
0 / 50 %	72 W	0.9 %	92.0 %
0 / 100 %	114 W	1.4 %	93.5 %
50 / 25 %	62 W	0.8 %	93.4 %
50 / 50 %	78 W	1.0 %	95.6 %
50 / 100 %	130 W	1.6 %	96.3 %
90 / 50 %	88 W	1.1 %	97.2 %
90 / 100 %	151 W	1.9 %	97.6 %

Temperature Rating	Maximum 40 °C
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Environmental

SCIP	fe629aef-0cd8-4aa5-bc1a-660329359953 Finland
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

External Classifications and Standards

eClass

ETIM 7

UNSPSC

39122001

Categories

Drives → Low Voltage AC Drives → General Purpose Drives → ACS310 - Drive module for pumps and fans

