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 PRODUCT-DETAILS

## ACS150-01E-09A8-2

LV AC micro drive, IEC: Pn 2.2 kW, 9.8 A  
(ACS150-01E-09A8-2)




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### General Information

Global Commercial Alias	ACS150-01E-09A8-2
Product ID	68581991
ABB Type Designation	ACS150-01E-09A8-2
EAN	6410038079352
Catalog Description	LV AC micro drive, IEC: Pn 2.2 kW, 9.8 A (ACS150-01E-09A8-2)
Long Description	The ACS150 drives are designed to be incorporated into a wide variety of machines such as mixers, conveyors, fans or pumps. The ACS150 drives have an integrated user panel, potentiometer and a variety of features such as pre-defined connection macros, making drive selection and configuration easy. With an optional FlashDrop tool these drives can be configured quickly in volume.

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### Ordering

Country of Origin	China (CN) Finland (FI)
Customs Tariff Number	85044085
Invoice Description	ACS150-01E-09A8-2 Pn 2,2kW, I2n 9,8A 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	1.8 kg
Product Net Depth / Length	142 mm
Product Net Height	239 mm
Product Net Width	105 mm
Package Level 1 Depth / Length	345 mm
Package Level 1 Height	167 mm
Package Level 1 Width	220 mm
Package Level 1 Units	1 carton

## Technical

Number of Phases	1
Degree of Protection	IP20
Enclosure Type NEMA	Open Type
Multiple Battery Information	No battery / cell included
Frequency (f)	50/60 Hz
Frame Size	R2
Input Voltage ( $U_{in}$ )	200 ... 240 V
Mounting Type	Module for cabinet building
Number of Hardware Interfaces	Industrial Ethernet 0 PROFINET 0 RS-232 0 RS-422 0 RS-485 0 Serial TTY 0 USB 0 Parallel 0 Other 1
Includes	With control unit Without optical interface With PC connection
Analog Inputs	1
Analog Outputs	0
Number of Digital In/Outputs	5/0
Output Current, Light-Overload Use ( $I_{LD}$ )	9.8 A
Output Current, Normal Use ( $I_n$ )	9.8 A
Output Power, Light-Overload Use ( $P_{LD}$ )	2.2 kW
Output Power, Normal Use ( $P_n$ )	2.2 kW
Apparent Power Output	3.9 kV·A
Efficiency Level	IE2
Standby Loss	13 W

Complete Drive Module  
Efficiency (61800-9-2)

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
90 / 100 %	108 W	2.8 %	96.2 %
50 / 100 %	91 W	2.3 %	94.4 %
0 / 100 %	80 W	2.0 %	90.3 %
90 / 50 %	72 W	1.8 %	95.4 %
50 / 50 %	63 W	1.6 %	92.9 %
50 / 25 %	52 W	1.3 %	89.3 %
0 / 50 %	58 W	1.5 %	87.3 %
0 / 25 %	49 W	1.3 %	80.8 %

Temperature Rating Maximum 40 °C

Ecodesign Exemption Energy efficiency data is not provided for the 1~230 V drives. The drives with one phase input are not in the scope of the EU ecodesign requirements (Regulation EU/2019/1781).

### Classifications

ETIM 8	EC001857 - Frequency converter =< 1 kV
ETIM 9	EC001857 - Frequency converter =< 1 kV
UNSPSC	39122001

### Environmental

SCIP	24f7c7e2-1846-4797-b6f3-8f3ae8b418db Finland (FI)
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

### Additional Information

Product Name	Frequency converter
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### Categories

Drives → Low Voltage AC Drives → Micro Drives → ACS150 - Micro Drive

