PRODUCT-DETAILS

# ACS150-03E-09A8-2

## ACS150-03E-09A8-2 Pn 2,2kW, I2n 9,8A IP20

### General Information

| | |
|---|---|
| Global Commercial Alias | ACS150-03E-09A8-2 |
| Product ID | 68582059 |
| ABB Type Designation | ACS150-03E-09A8-2 |
| EAN | 6410038079413 |
| Catalog Description | ACS150-03E-09A8-2 Pn 2,2kW, I2n 9,8A IP20 |
| 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. |

### Ordering

| | |
|---|---|
| Country of Origin | China (CN) |
| Customs Tariff Number | 85044085 |
| Invoice Description | ACS150-03E-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 | 3 |
| Degree of Protection | IP20 |
| Enclosure Type NEMA | Open Type |
| Frequency (f) | 50/60 Hz |
| Input Voltage ($U_{in}$) | 200 ... 240 V |
| Mounting Type | Module for cabinet building |
| Number of Hardware Interfaces | Industrial Ethernet 0<br>PROFINET 0<br>RS-232 0<br>RS-422 0<br>RS-485 0<br>Serial TTY 0<br>USB 0<br>Parallel 0<br>Other 1 |
| Includes | With control unit<br>Without optical interface<br>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 | 12 W |
| Complete Drive Module Efficiency (61800-9-2) | |

| Operating Point Frequency / Current | Absolute Loss | Relative Loss | Efficiency |
|---|---|---|---|
| 0 / 25 % | 48 W | 1.2 % | 81.1 % |
| 0 / 50 % | 57 W | 1.5 % | 87.5 % |
| 0 / 100 % | 79 W | 2.0 % | 90.4 % |
| 50 / 25 % | 51 W | 1.3 % | 89.4 % |
| 50 / 50 % | 62 W | 1.6 % | 93.0 % |
| 50 / 100 % | 89 W | 2.3 % | 94.5 % |
| 90 / 50 % | 70 W | 1.8 % | 95.5 % |
| 90 / 100 % | 105 W | 2.7 % | 96.4 % |

| | |
|---|---|
| Temperature Rating | Maximum 40 °C |

## Additional Information

| | |
|---|---|
| Product Main Type | ACS150 |
| Product Name | Frequency converter |

## Classifications

| | |
|---|---|
| Product Series | ACS150 |
| ETIM 7 | EC001857 - Frequency converter =< 1 kV |
| UNSPSC | 39122001 |

## Environmental

| | |
|---|---|
| SCIP | 8893ef45-f057-4363-a5f5-88651f1d83e8 Finland (FI) |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |

## Categories

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