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PRODUCT-DETAILS

# ACS310-03E-04A5-4

## ACS310-03E-04A5-4 Pn 1,5, I2n 4,5A IP20




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### General Information

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|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Global Commercial Alias | ACS310-03E-04A5-4                                                                                                                                                                                                                                                                                                                                                                                         |
| Product ID              | 3AUA0000039629                                                                                                                                                                                                                                                                                                                                                                                            |
| ABB Type Designation    | ACS310-03E-04A5-4                                                                                                                                                                                                                                                                                                                                                                                         |
| EAN                     | 6410038785758                                                                                                                                                                                                                                                                                                                                                                                             |
| Catalog Description     | ACS310-03E-04A5-4 Pn 1,5, I2n 4,5A IP20                                                                                                                                                                                                                                                                                                                                                                   |
| Long Description        | The ACS310 drives are designed for squared 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. |

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### Complete Drive Module Efficiency (61800-9-2)

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| Operating Point<br>Frequency / Current | Absolute<br>Loss | Relative<br>Loss | Efficiency |
|----------------------------------------|------------------|------------------|------------|
| 0 / 25 %                               | 35 W             | 1.1 %            | 82.5 %     |
| 0 / 50 %                               | 40 W             | 1.3 %            | 88.9 %     |
| 0 / 100 %                              | 52 W             | 1.7 %            | 91.9 %     |
| 50 / 25 %                              | 36 W             | 1.2 %            | 90.4 %     |
| 50 / 50 %                              | 42 W             | 1.4 %            | 94.0 %     |
| 50 / 100 %                             | 57 W             | 1.8 %            | 95.6 %     |
| 90 / 50 %                              | 46 W             | 1.5 %            | 96.3 %     |
| 90 / 100 %                             | 63 W             | 2.0 %            | 97.2 %     |

## Ordering

|                         |               |
|-------------------------|---------------|
| Customs Tariff Number   | 85044084      |
| EAN                     | 6410038785758 |
| Quote Only              | No            |
| Made To Order           | No            |
| Selling Unit of Measure | piece         |
| Minimum Order Quantity  | 1 piece       |
| Order Multiple          | 1 piece       |

## Dimensions

|                    |        |
|--------------------|--------|
| Product Net Height | 344 mm |
| Product Net Length | 217 mm |
| Product Net Weight | 1.7 kg |
| Product Net Width  | 132 mm |

## Technical

|                            |                             |
|----------------------------|-----------------------------|
| Enclosure Class            | IP20                        |
| Frequency (f)              | 50/60 Hz                    |
| Input Voltage ( $U_{in}$ ) | 380 ... 480 V               |
| Mounting Type              | Module for cabinet building |
| Number of Phases           | 3                           |
| Communication Protocol     | MODBUS                      |

## Additional Information

|                   |                     |
|-------------------|---------------------|
| Product Main Type | ACS310              |
| Product Name      | Frequency converter |

## Classifications

|                |                                        |
|----------------|----------------------------------------|
| Product Series | ACS310                                 |
| ETIM 7         | EC001857 - Frequency converter =< 1 kV |

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## Categories

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

