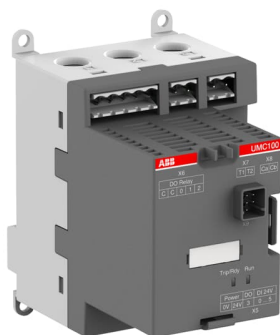


## PRODUCT-DETAILS

# UMC100.3 DC

UMC100.3 DC, Supply 24 V DC, 6 DI, 4 DO, PTC input



## General Information

|                       |                                                                                                                                                                                                                                                        |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | UMC100.3 DC                                                                                                                                                                                                                                            |
| Product ID            | 1SAJ530000R0100                                                                                                                                                                                                                                        |
| EAN                   | 4013614496912                                                                                                                                                                                                                                          |
| Catalog Description   | UMC100.3 DC, Supply 24 V DC, 6 DI, 4 DO, PTC input                                                                                                                                                                                                     |
| Long Description      | The intelligent motor controller UMC100.3 DC uses a 24 V DC supply and is suitable to protect against overload. It can be connected to a variety of communication networks and has a wide range of additional parameters to maximize motor protection. |

## Ordering

|                              |                                  |
|------------------------------|----------------------------------|
| E-Number (Finland)           | 3709067                          |
| EAN                          | 4013614496912                    |
| Minimum Order Quantity       | 1 piece                          |
| Customs Tariff Number        | 85371091                         |
| Replacement Product ID (NEW) | 1SAJ520000R0100, 1SAJ520000R0101 |

## Dimensions

|                            |        |
|----------------------------|--------|
| Product Net Width          | 70 mm  |
| Product Net Height         | 106 mm |
| Product Net Depth / Length | 107 mm |
| Product Net Weight         | 275 g  |

## Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | box 1 piece   |
| Package Level 1 Width          | 142 mm        |
| Package Level 1 Height         | 117 mm        |
| Package Level 1 Depth / Length | 122 mm        |
| Package Level 1 Gross Weight   | 280 g         |
| Package Level 1 EAN            | 4013614496912 |

## Environmental

|                                                |                                                  |
|------------------------------------------------|--------------------------------------------------|
| Ambient Air Temperature                        | Operation 0 ... +60 °C<br>Storage -25 ... +70 °C |
| Resistance to Vibrations acc. to IEC 60068-2-6 | 4g, 2 ... 100 Hz                                 |
| Resistance to Shock acc. to IEC 60068-2-27     | 15g / 1 shock / 11 ms                            |
| RoHS Status                                    | Following EU Directive 2011/65/EU                |

## Technical UL/CSA

|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| Maximum Operating Voltage UL/CSA | Auxiliary Circuit 230 V AC/DC<br>Main Circuit 600 V AC |
|----------------------------------|--------------------------------------------------------|

## Additional Information

|                                               |                                                 |
|-----------------------------------------------|-------------------------------------------------|
| Adjustable Rated Motor Current $I_e$          | 63 A                                            |
| Analog Inputs                                 | 0                                               |
| Analog Outputs                                | 0                                               |
| Degree of Protection                          | IP20                                            |
| Mounting Position                             | Any                                             |
| Number of Poles                               | 3                                               |
| Number of Digital Inputs AC 230V              | 0                                               |
| Number of Digital Inputs DC 24V               | 6                                               |
| Number of Digital Outputs DC 24V              | 1                                               |
| Number of Digital Output Relays               | 3                                               |
| Pollution Degree                              | 3                                               |
| Power Loss                                    | Approximately 3 W                               |
| Product Main Type                             | UMC100.3 DC                                     |
| Product Name                                  | Universal Motor Controller                      |
| Rated Control Supply Voltage ( $U_s$ )        | 24 V DC                                         |
| Rated Frequency (f)                           | Main Circuit 50 Hz<br>Main Circuit 60 Hz        |
| Rated Impulse Withstand Voltage ( $U_{imp}$ ) | Auxiliary Circuit 4 kV                          |
| Rated Operational Current ( $I_e$ )           | 63 A                                            |
| Rated Operational Voltage                     | Main Circuit 690 V AC<br>Main Circuit 1000 V AC |

|               |                                                                                                                                              |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Setting Range | 0.24 ... 63 A                                                                                                                                |
| Standards     | CAN/CSA C22.2 No.60947-1<br>CAN/CSA C22.2 No.60947-4-1<br>IEC/EN 60947-1<br>IEC/EN 60947-4-1<br>IEC/EN 60947-5-1<br>IEC/EN 60947-8<br>UL 508 |

## Certificates and Declarations (Document Number)

|                                   |                     |
|-----------------------------------|---------------------|
| ABS Certificate                   | 17-HG1610225-PDA    |
| CB Certificate                    | DK-41658-A1-UL      |
| CCC Certificate                   | 2015010309791750    |
| CQC Certificate                   | CQC2015010309791750 |
| cULus Certificate                 | 20141015-E48139     |
| Data Sheet, Technical Information | 2CDC135087V0201     |
| Declaration of Conformity - CCC   | 2020980309000543    |
| Declaration of Conformity - CE    | 1SVD981038-0001     |
| DNV GL Certificate                | TAA000015X          |
| Instructions and Manuals          | 2CDC135035M6801     |
| RoHS Information                  | 1SVD981038-0001     |

## Classifications

|                            |                                                            |
|----------------------------|------------------------------------------------------------|
| ETIM 5                     | EC002572 - Electronic motor control and protection device  |
| ETIM 6                     | EC002572 - Motor management device                         |
| ETIM 7                     | EC002572 - Motor management device                         |
| Object Classification Code | B                                                          |
| WEEE Category              | 5. Small Equipment (No External Dimension More Than 50 cm) |
| eClass                     | V11.0 : 27370804                                           |

## Categories

Low Voltage Products and Systems → Control Products → Motor Controllers → Universal Motor Controllers

