

# UMC100.3 DC



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

## General Information

<b>Extended Product Type:</b>	UMC100.3 DC
<b>Product ID:</b>	1SAJ530000R0100
<b>EAN:</b>	4013614496912
<b>Catalog Description:</b>	UMC100.3 DC, Supply 24 V DC, 6 DI, 4 DO, PTC input
<b>Long Description:</b>	UMC100.3 DC, Supply 24 V DC, 6 DI, 4 DO, PTC input

## Ordering

<b>EAN:</b>	4013614496912
<b>Minimum Order Quantity:</b>	1 piece
<b>Customs Tariff Number:</b>	85371091
<b>Replacement Product ID (NEW):</b>	1SAJ520000R0100, 1SAJ520000R0101

## Dimensions

<b>Product Net Width:</b>	70 mm
<b>Product Net Height:</b>	106 mm
<b>Product Net Depth:</b>	107 mm
<b>Product Net Weight:</b>	275 g

## Container Information

<b>Package Level 1 Units:</b>	1 piece
<b>Package Level 1 Width:</b>	142 mm
<b>Package Level 1 Height:</b>	117 mm
<b>Package Level 1 Length:</b>	122 mm
<b>Package Level 1 Gross Weight:</b>	280 g
<b>Package Level 1 EAN:</b>	4013614496912

## Environmental

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

<b>Maximum Operating Voltage</b>	Main Circuit 600 V AC
<b>UL/CSA:</b>	Auxiliary Circuit 230 V AC/DC

## Additional Information

<b>Adjustable Rated Motor Current I<sub>e</sub>:</b>	63 A
<b>Analog Inputs:</b>	0
<b>Analog Outputs:</b>	0
<b>Degree of Protection:</b>	IP20
<b>Mounting Position:</b>	Any
<b>Number of Poles:</b>	3
<b>Number of Digital Inputs AC 230V:</b>	0
<b>Number of Digital Inputs DC 24V:</b>	6
<b>Number of Digital Outputs DC 24V:</b>	1
<b>Number of Digital Output Relays:</b>	3
<b>Pollution Degree:</b>	3
<b>Power Loss:</b>	Approximately 3 W
<b>Product Main Type:</b>	UMC100.3 DC
<b>Product Name:</b>	Universal Motor Controller
<b>Rated Control Supply Voltage (U<sub>s</sub>):</b>	24 V DC
<b>Rated Frequency (f):</b>	Main Circuit 50 Hz Main Circuit 60 Hz
<b>Rated Impulse Withstand Voltage (U<sub>imp</sub>):</b>	Auxiliary Circuit 4 kV
<b>Rated Operational Current (I<sub>e</sub>):</b>	63 A
<b>Rated Operational Voltage:</b>	Main Circuit 690 V AC Main Circuit 1000 V AC
<b>Setting Range:</b>	0.24 ... 63 A
<b>Standards:</b>	IEC/EN 60947-1 IEC/EN 60947-4-1 IEC/EN 60947-8 IEC/EN 60947-5-1 UL 508 CAN/CSA C22.2 No.60947-1 CAN/CSA C22.2 No.60947-4-1

## Certificates and Declarations (Document Number)

<b>CB Certificate:</b>	DK-41658-A1-UL
<b>cULus Certificate:</b>	20141015-E48139

Data Sheet, Technical Information: 2CDC135032D0204

Declaration of Conformity - CE: 1SVD981038-0001

Instructions and Manuals: 2CDC135035M6801

RoHS Information: 1SVD981038-0001

## Classifications

eClass: 7.0 27370804

ETIM 5: EC002572 - Electronic motor control and protection device

ETIM 6: EC002572 - Motor management device

Object Classification Code: B

