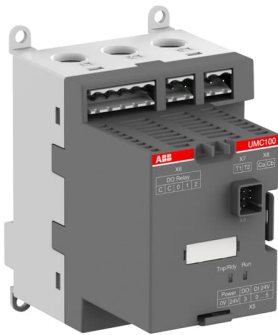




PRODUCT-DETAILS

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	
Replacement Product ID (NEW)	1SAJ520000R0100, 1SAJ520000R0101
Minimum Order Quantity	1 piece
Customs Tariff Number	85371091
Product Main Type	UMC100.3 DC

Popular Downloads

Data Sheet, Technical Information	2CDC135032D0204
Instructions and Manuals	1SAC200339M0001
CAD Dimensional Drawing	2CDC001079B0201

## Dimensions

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

## Technical

Connecting Capacity	1x 0.2-2.5 mm <sup>2</sup>
Minimum Mounting Distance	0 mm
Mounting Position	1 ... 6
Number of Poles	3
Pollution Degree	3
Power Loss	Approximately 3 W
Rated Control Supply Voltage (U <sub>s</sub> )	24 V DC
Rated Frequency (f)	Main Circuit 50 Hz Main Circuit 60 Hz Supply Circuit DC
Rated Impulse Withstand Voltage (U <sub>imp</sub> )	Auxiliary Circuit 4 kV
Rated Operational Current (I <sub>e</sub> )	63 A
Rated Operational Voltage	Main Circuit 690 V AC Main Circuit 1000 V AC
Recommended Screw Driver	Pozidriv 1
Setting Range	0.24 ... 63 A
Standards	CAN/CSA C22.2 No.60947-1 CAN/CSA C22.2 No.60947-4-1 IEC/EN 60947-1 IEC/EN 60947-4-1 IEC/EN 60947-5-1 IEC/EN 60947-8 UL 508
Terminal Type	Screw Terminals
Tightening Torque	Auxiliary Circuit 0.5 N·m Control Circuit 0.5 N·m
Trip Class	class 5E class 10E class 20E class 30E class 40E
Wire Stripping Length	7 mm

## Technical UL/CSA

Connecting Capacity UL/CSA	1x 28-12 AWG
Maximum Operating Voltage UL/CSA	Auxiliary Circuit 230 V AC/DC Main Circuit 600 V AC
Tightening Torque UL/CSA	Auxiliary Circuit 8 in-lb Control Circuit 8 in-lb

## Environmental

Ambient Air Temperature	Operation 0 ... +60 °C Storage -25 ... +70 °C
Degree of Protection	IP20
Maximum Operating Altitude Permissible	Without Derating 2000 m
Resistance to Shock acc. to IEC 60068-2-27	15g 1 shock 11 ms
Resistance to Vibrations	4g 2 ... 100 Hz

## Material Compliance

Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
REACH Declaration	1SAA983001-4501
RoHS Information	1SVD981001-4401
RoHS Status	Following EU Directive 2011/65/EU
Toxic Substances Control Act - TSCA	2CMT2023-006538
WEEE B2C / B2B	Business To Business
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

## Certificates and Declarations

ABS Certificate	17-HG1610225-PDA
ATEX Certificate	Not available
CB Certificate	DK-41658-A1-UL
CCC Certificate	2015010309791750
CQC Certificate	CQC2015010309791750
cULus Certificate	20141015_E48139
Declaration of Conformity - CCC	2020980309000543
Declaration of Conformity - CE	1SVD981038-00
DNV Certificate	TAA000015X-revision4

## Container Information

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

Classifications

eClass	V11.0 : 27370804
E-Number (Finland)	3709067
ETIM 6	EC002572 - Motor management device
ETIM 7	EC002572 - Motor management device
ETIM 8	EC002572 - Motor management device
ETIM 9	EC002572 - Motor management device
IDEA Granular Category Code (IGCC)	4354 >> Motor control centers
Object Classification Code	B
UNSPSC	39121104

Categories

Low Voltage Products and Systems → Control Products → Motor Controllers → Universal Motor Controllers  
Mining Solutions → Grinding → Gearless Mill Drives → Control Block (E-House)

