



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	2CDC135087V0201
Instructions and Manuals	2CDC135035M6801
CAD Dimensional	2CDC001079B0201

Drawing

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 ²
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 _s)	24 V DC
Rated Frequency (f)	Main Circuit 50 Hz 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 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 acc. to IEC 60068-2-6	4g, 2 ... 100 Hz
RoHS Information	1SVD981038-0001
WEEE B2C / B2B	Business To Business
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

Certificates and Declarations (Document Number)

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	1SVD981038-0001
DNV GL Certificate	TAA000015X
Instructions and Manuals	2CDC135035M6801
RoHS Information	1SVD981038-0001

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