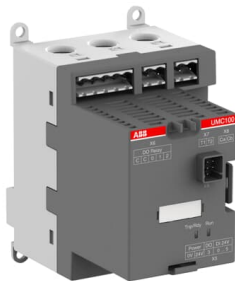




PRODUCT-DETAILS

UMC100.3 DC

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



General Information	
Extended Product Type:	UMC100.3 DC
Product ID:	1SAJ530000R0200
EAN:	4013614496936
Catalog Description:	UMC100.3 DC, Supply 24 V DC, ATEX, 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. This version is also ATEX approved.
Display Name:	UMC100.3 DC

Ordering	
Minimum Order Quantity:	1 piece
Customs Tariff Number:	85371091
Product Main Type:	UMC100.3 DC

Popular Downloads

Data Sheet, Technical Information:	2CDC135033D0202
Instructions and Manuals:	1SAC200340M0001
Ex Operating Instructions:	1SAC200340M0001
CAD Dimensional Drawing:	2CDC001079B0201
EPLAN Data:	9AAC181892_EPLAN

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:	3P
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 Supply Circuit DC
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 60079-7 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
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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 Declaration:	1SVD981001-4401
RoHS Information:	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
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:	9AKK106713A2630
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:	1SVD981037-00
DNV Certificate:	TAA000015X-revision4
EU Data Act Compliance Declaration:	1SAC200463M0001

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:	4013614496936

External Classifications and Standards

eClass:	V11.0 : 27370804
E-Number (Finland):	3709068
E-Number (Norway):	4552516
ETIM 6:	EC002572 - Motor management device
ETIM 7:	EC002572 - Motor management device
ETIM 8:	EC002572 - Motor management device
ETIM 9:	EC002572 - Motor management device
Object Classification Code:	B

Accessories

Identifier	Description	Type	Qty	Unit Of Measure
1SAJ590000R0103	UMC100-PAN LCD Panel with USB Interface Replaces 1SAJ590000R0102	UMC100-PAN	1	piece
1SAJ242000R0001	PDP32 PROFIBUS DP Interface	PDP32.0	1	piece
1SAJ243000R0001	PDR31.0 PROFIBUS Termination Unit For usage with SMK3.0	PDR31.0	1	piece
1SAJ251000R0001	MRP31.0 Modbus RTU Interface	MRP31.0	1	piece
1SAJ251000R0011	MRP31.0 Modbus RTU Interface, Coated	MRP31.0 COATED	1	piece
1SAJ260000R0100	MTQ22-FBP.0 ModbusTCP Interface for 4 devices	MTQ22-FBP.0	1	piece
1SAJ261000R0100	PNQ22-FBP.0 Profinet interface for 4 UMC100.3	PNQ22-FBP.0	1	piece
1SAJ262000R0100	EIU32.0 EtherNet/IP Interface	EIU32.0	1	piece
1SAJ263000R0100	PNU32.0 Profinet Interface	PNU32.0	1	piece
1SAJ929500R0185	CT4L185R/4, 3-Phase Current Transformer Rated nominal current range 60 ... 185A	CT4L185R/4	1	piece
1SAJ929500R0310	CT4L310R/4, 3-Phase Current Transformer Rated nominal current range 185 ... 310A	CT4L310R/4	1	piece

Identifier	Description	Type	Qty	Unit Of Measure
1SAJ929501R0500	CT5L500R/4, 3-Phase Current Transformer Rated nominal current range 310 ... 500A	CT5L500R/4	1	piece
1SAJ929501R0850	CT5L850R/4, 3-Phase Current Transformer Rated nominal current range 500 ... 850A	CT5L850R/4	1	piece
1SAJ510004R0002	UMCPAN-CAB.150 Control Panel Connection Cable 1.5 m	UMCPAN-CAB.150	1	piece
1SAJ510002R0002	UMCPAN-CAB.300 Control Panel Connection Cable 3 m	UMCPAN-CAB.300	1	piece

Categories

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

Products > Mining Solutions > Grinding > Gearless Mill Drives > Control Block (E-House)

