

UMC100-FBP.0



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

General Information

Extended Product Type:	UMC100-FBP.0
Product ID:	1SAJ520000R0101
EAN:	4013614479816
Catalog Description:	UMC100-FBP.0 Universal Motor Controller Replaces 1SAJ520000R0100
Long Description:	The Universal Motor Controller UMC100-FBP is a motor protection and control device for 3-phase motors. It provides electronic motor protection with through-the-hole current transformers, 3 relay outputs, one 24V DC output, 6 digital inputs for controlling and an optional LCD panel for parametrization and operation. Pre-programmed starter functions simplify the engineering process. The UMC100-FBP can be expanded with different IO modules.

Ordering

EAN:	4013614479816
Minimum Order Quantity:	1 piece
Customs Tariff Number:	85371091

Dimensions

Product Net Width:	70 mm
Product Net Height:	105 mm
Product Net Depth:	87.5 mm
Product Net Weight:	0.36 kg

Container Information

Package Level 1 Units:	1 piece
Package Level 1 Width:	103 mm
Package Level 1 Height:	71 mm
Package Level 1 Length:	141 mm
Package Level 1 Gross Weight:	0.37 kg
Package Level 1 EAN:	4013614479816

Environmental

Ambient Air Temperature:	Operation 0 ... +60 °C Storage -20 ... +70 °C
Resistance to Vibrations acc. to IEC 60068-2-6:	5g / 3 ... 150 Hz
Resistance to Shock acc. to IEC 60068-2-27:	11 ms Pulse 150 m/s ²
RoHS Status:	Following EU Directive 2011/65/EC

Technical UL/CSA

Maximum Operating Voltage UL/CSA:	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 on DIN Rail:	TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715
Mounting Position:	Any

Number of Poles:	3
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-FBP
Product Name:	Universal Motor Controller
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}):	Main Circuit 6 kV Auxiliary Circuit 4 kV
Rated Insulation Voltage (U_i):	690 V
Rated Operational Current AC-15 (I_a):	(240 V) 1.5 A
Rated Operational Current DC-13 (I_a):	(24 V) 1 A (125 V) 0.22 A (250 V) 0.11 A
Rated Operational Voltage:	Main Circuit 690 V AC Auxiliary Circuit 12 ... 250 V AC/DC
Setting Range:	0.24 ... 63 A
Standards:	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.14

Certificates and Declarations (Document Number)

CB Certificate:	1SAA962001-2002
Data Sheet, Technical Information:	2CDC135013D0202
Declaration of Conformity - CE:	1SVD981038-0001
DNV Certificate:	DNV_E-13261
Environmental Information:	1SAA962006-2401
GL Certificate:	1SAA962005-0401
Instructions and Manuals:	2CDC342003F0011
RoHS Information:	1SVD981038-0001

Classifications

eClass:	7.0 27370804
ETIM 4:	EC002572 - Electronic motor control and protection device
ETIM 5:	EC002572 - Electronic motor control and protection device
ETIM 6:	EC002572 - Motor management device
Object Classification Code:	B

