



EAN code
SA3-012M: 8595188132466
SA3-012M/120V: 8595188133029

Technical parameters

SA3-012M

SA3-012M/120V

Outputs

Output:	12x switching 8 A/AC1
Switched voltage:	250 V AC, 24 V DC
Switched output:	2000 VA/AC1, 192 W/DC
Peak current:	10 A
Output relays separated from all internal circuits:	reinforced insulation (Cat. II surges by EN 60664-1)
Isolation between relay outputs COM1, COM2 and COM3:	reinforced insulation (Cat. II surges by EN 60664-1)
Isolates. voltage open relay contact:	1 kV
Max. current of one common terminal:	16 A
Minimal switched current:	100 mA/10 V DC
Switching frequency without load:	300 min ⁻¹
Switching frequency with rated load:	15 min ⁻¹
Mechanical life:	1x 10 ⁷
Electrical life AC1:	1x 10 ⁵
Output indication:	12 x yellow LED

Communication

Installation BUS:	BUS
The installation BUS is separated from all internal circuits:	reinforced insulation (Cat. II surges by EN 60664-1)
Status indication unit:	green LED RUN

Power supply

Voltage of BUS/tolerance/nominal current:	27 V DC, -20/+10 %, 5 mA	
Supply voltage of power section (relay) tolerance/nominal current:	AC 230 V (50 Hz), -15/+10 %, 20 mA	AC 120 V (60 Hz), -15/+10 %, 40 mA
Dissipated power:	max. 6 W	max. 5 W

Connection

Terminal:	max. 2.5 mm ² /1.5 mm ² with sleeve
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Operating conditions

Operating temperature:	-20 to +55 °C
Storing temperature:	-30 to +70 °C
Protection degree:	IP20 device, IP40 mounting in the switchboard
Overvoltage category:	II.
Pollution degree:	2
Operating position:	any
Installation:	switchboard on DIN rail EN 60715
Design:	6-MODULE

Dimensions and weight

Dimensions:	90 x 105 x 65 mm
Weight:	310 g

- The actuator is designed for switching twelve various appliances and loads with potentialless contact.
- SA3-012M is a switching actuator containing 12 independent relays with NO potentialless contacts, with the fact that switches the same potential.
- Maximal loadability of contacts is 8 A/2000 VA/AC1.
- Each of the twelve output contacts are individually controllable and addressable.
- Actuator SA3-012M is powered by an AC voltage 230 V. The unit SA3-012M/120 V is powered by AC voltage 120 V AC.
- BUS is galvanically separated from the internal circuits of unit.
- LED on front panel signalizes state of each output.
- Contact status of each relay can be changed separately and manually by control buttons on a front panel.
- SA3-012M is normally supplied in the option AgSnO₂ contact material.
- SA3-012M in design 6-MODULE is designed to be mounted into a switchboard, onto DIN rail EN60715.

Connection

