SA3-012M | Switching actuator, 12-channel



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

- The actuator is designed for switching to 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 230V. The unit SA3-012M/120V is powered by AC voltage 120V 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 $AgSnO_2$ contact material.
- SA3-012M in design 6-MODULE is designed to be mounted into a switchboard, onto DIN rail EN60715.

Technical parameters	SA3-012M
Outputs	
Output:	12x NO 8 A/AC1
Switched voltage:	250 V AC1, 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:	27V DC, -20 / +10 %, 5mA
SA3-012M/120V Supply voltage of power section (relay) tolerance / nominal current:	AC 120V (60 Hz), -15 / +10 %, 40 mA
SA3-012M Supply voltage of power section (relay) tolerance / nominal current:	AC 230V (50 Hz), -15 / +10 %, 20 mA
Connection	
Terminal:	max. 2.5 mm^2/1.5 mm^2 with sleeve
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:	307 g

Connection



