



EAN code
SA3-014M/E: 8595188189187
Order Code: 8918

Technical parameters

SA3-014M/E

Outputs

Output:	14x switching 10 A/AC1
Switched voltage:	250 V AC, 30 V DC
Switched output:	2500 VA/AC, 150 W/DC
Protection:	10A (maximum output) B class circuit breaker
Peak current:	10 A
Output relays separated from all internal circuits:	reinforced insulation (Cat. II surges by EN 60664-1)
Isolation between relay outputs COM 1,2 COM 3,4 COM 5,6 COM 7,8 COM 9,10 COM 11,12:	reinforced insulation (Cat. II surges by EN 60664-1)
Isolates. voltage open relay contact:	1 kV
Max. current of one common terminal:	12 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
Mains voltage detection:	yes (relay switching in zero)
Output indication:	-
Control:	-

Communication

Installation BUS:	BUS
Status indication unit:	green LED RUN

Power supply

Voltage of BUS/tolerance/nominal current:	27 V DC, -20/+10 %, 150 mA
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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
Standards:	EN 63044-1

Note:

For the protection of relay it is recommended to use protection device: 10A (maximum output) B class circuit breaker.

- SA3-014M/E is a switching actuator containing 14 independent relays with NO potentialless contacts, with the fact that switches the same potential. Maximal loadability of contacts is 10A/2500 VA/AC1.
- Each of the fourteen output contacts are individually controllable and addressable. Actuator SA3-014M/E is powered by an bus voltage 27V DC.
- The unit's status is indicated by the green RUN LED on the front panel - if the bus supply is connected, but there is no communication via BUS with master, the LED RUN is on continuously.
 - if the bus voltage is connected and the unit communicates by BUS, the LED RUN flashes.
- Contact status of each relay can be changed separately and manually by control buttons on a front panel.
- The unit has synchronized closing and opening of the relay in the zero-voltage of the sinusoidal waveform. The sync inputs are COM 1, 3, 5, 7, 9, 11 and 13 against the N terminal.
- SA3-014M/E is normally supplied in the option AgSnO2 contact material. SA3-014M/E in design 6-MODULE is designed to be mounted into a switchboard, on to DIN rail EN60715.
- SA3-014M/E is an economic option without manual control buttons on the front panel and status LEDs for the relay output. (possibility to control via iDM software).

Connection

