



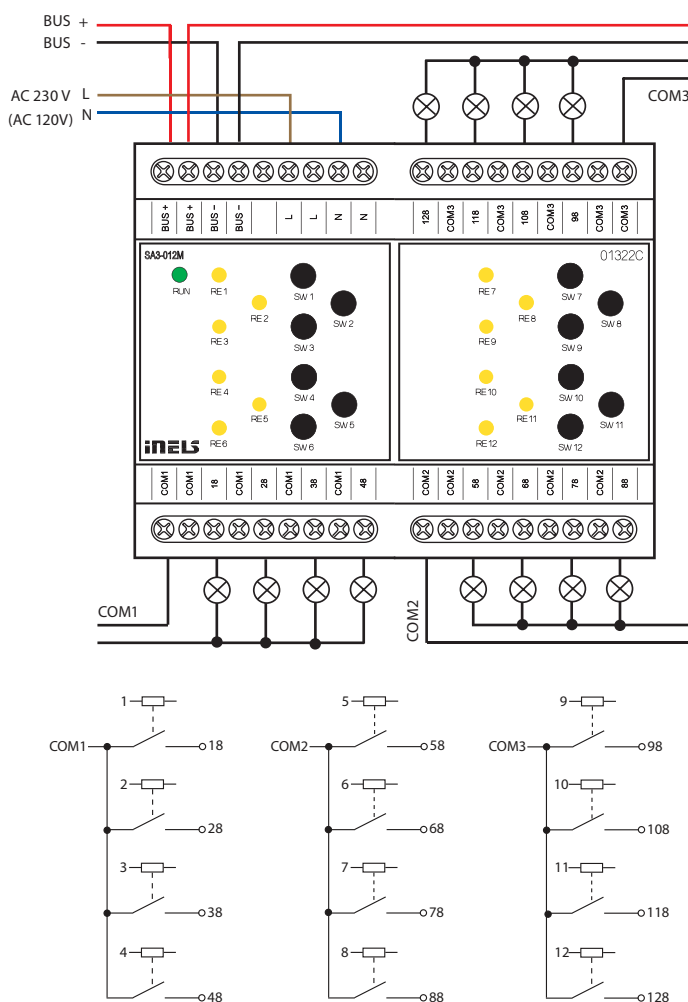
EAN code
 SA3-012M: 8595188132466
 SA3-012M/120V: 8595188133029

Technical parameters SA3-012M SA3-012M/120V

Outputs		
Output:	12x NO 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:	27V DC, -20 / +10 %, 5mA	
Supply voltage of power section (relay) tolerance / nominal current:	AC 230V (50 Hz), -15 / +10 %, 20 mA	AC 120V (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	
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 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 AgSnO₂ contact material.
- SA3-012M in design 6-MODULE is designed to be mounted into a switchboard, onto DIN rail EN60715.

Connection





















Loadability of contacts



















Minimum load		
Relay contact	mV	V/mA
AgSnO ₂	1000	10/100

Minimum load		
Relay contact	mV	V/mA
AgNi	300	5/10



















GCR3-11, GCH3-31, GMR3-61, SA3-02B, SA3-06M, SA3-012M, WMR3-21

Type of load	 $\cos \varphi \geq 0.95$								
Contact material	AC1	AC2	AC3	AC5a uncompensated	AC5a compensated	AC5b	AC6a	AC7b	AC12
AgSnO ₂ contact 8A	250V / 8A	250V / 2.5A	250V / 1.5A	230V / 1.5A (345VA)	230V / 1.5A (345VA) till max output C=14uF	250W	250V / 4A	250V / 1A	250V / 1A
Type of load									
Contact material	AC13	AC14	AC15	DC1	DC3	DC5	DC12	DC13	DC14
AgSnO ₂ contact 8A	x	250V / 3A	250V / 3A	24V / 8A	24V / 3A	24V / 2A	24V / 8A	24V / 1A	x



















CU3-04M (RE7 - RE-10), LBC3-02M, SA3-01B, SA3-02M, SA3-04M, SA3-022M (RE7 - RE-10), EA3-022M (RE7 - RE-10), JA3-018M (U/D1 - U/D9)

Type of load	 $\cos \varphi \geq 0.95$								
Contact material	AC1	AC2	AC3	AC5a uncompensated	AC5a compensated	AC5b	AC6a	AC7b	AC12
AgSnO ₂ contact 16A	250V / 16A	250V / 5A	250V / 3A	230V / 3A (690VA)	230V / 3A (690VA) till max output C=14uF	1500W	x	250V / 3A	250V / 10A
Type of load									
Contact material	AC13	AC14	AC15	DC1	DC3	DC5	DC12	DC13	DC14
AgSnO ₂ contact 16A	250 / 6A	250V / 6A	250V / 6A	24V / 16A	24V / 6A	24V / 4A	24V / 16A	24V / 2A	24V / 2A





SA3-02B/Ni*, SA3-06M/Ni*, SA3-012M/Ni*

Type of load	 $\cos \varphi \geq 0.95$								
Contact material	AC1	AC2	AC3	AC5a uncompensated	AC5a compensated	AC5b	AC6a	AC7b	AC12
AgNi contact 8A	250V / 8A	250V / 2.5A	250V / 1.5A	230V / 1.5A (345VA)	x	400W	x	250V / 1.5A	250V / 5A
Type of load									
Contact material	AC13	AC14	AC15	DC1	DC3	DC5	DC12	DC13	DC14
AgNi contact 8A	250 / 3A	250V / 3A	250V / 3A	24V / 8A	24V / 3A	24V / 2A	24V / 8A	24V / 1A	24V / 1A

SA3-01B/Ni*, SA3-06M/Ni*, SA3-04M/Ni*

Type of load	 $\cos \varphi \geq 0.95$								
Contact material	AC1	AC2	AC3	AC5a uncompensated	AC5a compensated	AC5b	AC6a	AC7b	AC12
AgNi contact 16A	250V / 16A	250V / 5A	250V / 3A	230V / 3A (690VA)	x	800W	x	250V / 3A	250V / 10A
Type of load									
Contact material	AC13	AC14	AC15	DC1	DC3	DC5	DC12	DC13	DC14
AgNi contact 16A	250 / 6A	250V / 6A	250V / 6A	24V / 16A	24V / 6A	24V / 4A	24V / 16A	24V / 2A	24V / 2A

JA3-018M (U/D1 - U/D9), CU3-04M (RE1 - RE6, OUT1 - OUT2, RE11 - RE16), SA3-022M (RE1 - RE6, OUT1 - OUT2, RE11 - RE16, SHUTTER), EA3-022M (RE1 - RE6, OUT1 - OUT2, RE11 - RE16, SHUTTER), FA3-612M (FAN1 - FAN3, RE)

Type of load	 $\cos \varphi \geq 0.95$			
Contact material	AC1	AC3	AC15	DC1
AgNi contact 6A	250V / 6A	230V / 0.8A	230V / 1.3A	30V / 3A 110V / 0.2A 220V / 0.12A

Demonstrated symbols are informative.

*Products with AgNi contact only up on request for extra charge.