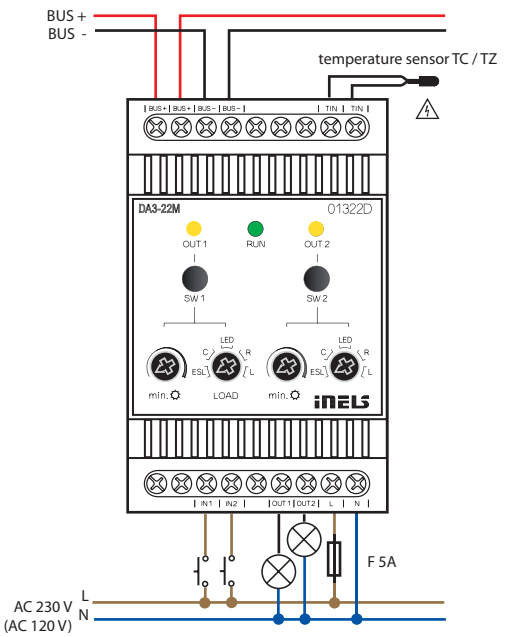


EAN code
DA3-22M: 8595188132626
DA3-22M/120V: 8595188133036

- DA3-22M is a universal dimming 2-fold actuator enabling control of brightness intensity of dimmable light sources of the type ESL, LED and RLC with power supply 230 V.
- DA3-22M has two MOSFET controlled outputs 230 V AC, maximum load is 2x 400 VA.
- Option of connecting an external temperature sensor.
- Each output channel is independently controllable and addressable.
- Type of light source is set by a switch on the front panel.
- By setting the min. brightness potentiometer on the front panel, flashing of different types of light sources is eliminated.
- DA3-22M is equipped with two inputs 230 V AC, which can be controlled by mechanical switches (buttons, relays). Inputs are galvanically connected to potential L, which is permanently at the terminals IN1 and IN2.
- Buttons on the front panel, you can manually switch on or off the corresponding output.
- Electronic overcurrent and thermal protection - switch off output in case of overload short circuit and overheating.
- During installation, it is necessary to leave on each side of the actuator at least half the module space for better cooling.
- DA3-22M in 3-MODULE version is designed for mounting into a switchboard on DIN rail EN60715.

Technical parameters	DA3-22M
Inputs	
Input: ⚠	2x inputs, switching potential L*
Temperature measuring: ⚠	YES, input for external thermo sensor TC/TZ
Scope and accuracy of temp. measurement:	-20 to +120°C; 0.5°C from the range
Number of control buttons:	2x buttons 4x potenciometers on front panel
Outputs	
Output:	2x contactless outputs, 2x MOSFET
Load type:	resistive, inductive, capacitive**, LED, ESL
Isolation BUS separated from all internal circuits:	reinforced Insulation (Cat. II surges by EN 60664-1)
Isolation voltage between particular power:	max. 500 V AC
Minimal controlled load:	10 VA
Maximal controlled load:	DA3-22M (230V): 400 VA for each channel DA3-22M/120V: 200 VA for each channel
Output indication ON/OFF:	2x yellow LED
Device protection:	thermal / short-term overload / long-term overload
Communication	
Installation BUS:	BUS
Power supply	
Supply voltage by BUS / tolerance:	27 V DC, -20 / +10 %
Rated current:	5 mA (at 27V DC), from BUS
Status indication unit:	green LED RUN
DA3-22M Supply voltage for power section / tolerance:	AC 230V (50Hz), -15 / +10 %
DA3-22M/120V Supply voltage for power section / tolerance:	AC 120V (60Hz), -15 / +10 %
Connection	
Terminal:	max. 2.5 mm^2/1.5 mm^2 with sleeve
Operating conditions	
Air humidity:	max. 80 %
Operating temperature:	-20 to +35 °C
Storing temperature:	-30 to +70 °C
Protection degree:	IP20 device, IP40 mounting in the switchboard
Overvoltage category:	II.
Pollution degree:	2
Operating position:	vertical
Installation:	switchboard on DIN rail EN 60715
Design:	3-MODULE
Dimensions and weight	
Dimensions:	90 x 52 x 65 mm
Weight:	170 g

Connection



Types of connectable loads

type of source	symbol	description
R resistive	HAL. 230 V	ordinary light bulb, halogen lamp
L inductive	HAL. 12-24 V	coiled transformer for low-voltage halogen lamps
C capacitive		electronic transformer for low-voltage halogen lamps
LED		LED lamps and LED light sources, 230 V
ESL		dimmable energy-saving fluorescent tubes

* The inputs are not galvanically isolated from the supply voltage.
** Attention: It is not allowed to connect loads of inductive and capacitive character, at the same time.
⚠ Input is connected to the mains voltage potential.