



EAN code
 DA3-22M: 8595188132626
 DA3-22M/120V: 8595188133036
 Order Code:
 DA3-22M: 3262
 DA3-22M/120V: 3303

Technical parameters	DA3-22M	DA3-22M/120V
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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 potentiometers 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:	400 VA for each channel	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 27 V DC), from BUS	
Status indication unit:	green LED RUN	
Supply voltage for power section/tolerance:	AC 230 V (50 Hz), -15/+10 %	AC 120 V (60 Hz), -15/+10 %
Dissipated power:	max. 13 W	max. 7.5 W

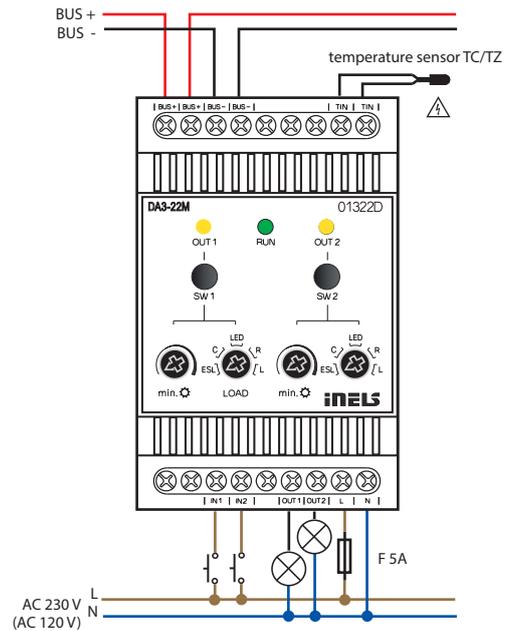
Connection		
Terminal:	max. 2.5 mm ² /1.5 mm ² with sleeve	

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	
Standards:	EN 63044-1	

- 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.
- By clicking on 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.
- The power supply (potential L) must be protected by a protective element corresponding to the power input of the connected load, e.g. a safety fuse.
- 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.

Connection



Types of connectable loads

type of source	symbol	description
R resistive		ordinary light bulb, halogen lamp
L inductive		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.