



EAN code
RC3-610M/DALI: 8595188184663

Technical parameters		RC3-610M/DALI
Output		
Relay	8x NO/switch 10 A/AC1	
Switched voltage:	250VAC , 30VDC	
Switched power:	2500 VA/AC1, 150 W/DC	
Peak current:	10A AC1 , 5A DC	
Relay outputs separated from all internal circuits:	reinforced insulation (Overvoltage cat. II according to EN 60664-1)	
Isolation between COM1,2 a COM3,4 a COM5,6,7,8 *	basic insulation (cat. overvoltage II according to EN 60664-1) max. 400AC	
Isolation voltage of the open relay contact:	1 kV	
Max. current through one common terminal:	16 A	
Minimum switching current:	100 mA/10 V DC	
Mechanical service life:	10 000 000	
Electrical life AC1:	100 000	
Analog		
Analog outputs:	AO1, AO2	
Voltage analogue. output/ max. current:	2x 0(1) - 10 V/10 mA	
Inputs		
Input DIN:	6x DIN (digital input) or 4x DIN + 2x TIN (temperature input) **	
DIN sampling rate:	20 Hz	
DIN common wire:	COM9, COM10	
TIN common wire:	TINCOM	
Communication		
DALI		
Output interface:	DALI	
DALI addresses (max.):	16	
Internal DALI source:	yes, max. 64 mA	
BUS		
Installation bus:	BUS	
Indication of unit status:	Green LED RUN	
Power		
Internal DALI supply terminals:	terminals COM8 and N	
Internal DALI supply voltage:	100-240V 50/60Hz max.0.1A	
Power dissipation:	3 W	
Connection		
Terminal plate:	max. 2.5 mm ² /1.5 mm ² with core	

* adjacent COM terminals (COM1 and 2, COM3 and 4, COM5 and 6, COM7 and 8) must be at the same potential

** input function is set during configuration

*** ACOM and COM9 terminals are at BUS potential

- The RC3-610M/DALI is an I/O actuator equipped with 6 binary inputs, of which 2 can be configured as temperature inputs and 8 independent relays with switching potential-free and potential contacts. It also includes two analog outputs 0(1)-10 V with a load capacity of up to 10 mA.
- Binary inputs RC3-610M/DALI are used for connecting up to 6 devices with a non-decimal contact (such as switches, switches, buttons of other designu, EZS and EPS detectors and others).
- Temperature inputs support the connection of TC/TZ temperature sensors in a 2-wire connection for temprature sensing needs.
- The actuator is designed for switching up to eight different appliances and loads by relay output (potential-free contact).
- The maximum load capacity of the relay contacts is 10 A/2500 VA/ AC1. Each of the output contacts is individually controllable. Relays are divided into four pairs, where each pair switches on its common potential.
- The DALI system BUS allows control of up to 16 independent DALI (Digital Addressable Lighting Interface) ballast addresses for fluorescent, LED and other luminaires.
- Analog outputs are considered for use with thermoregulation heads, air-conditioning ventilation flaps, various other dimmers or other devices with an analog control voltage of 0-10 V or 1-10 V.
- The parameters of all configurable inputs and outputs are set in the iNELS Designer & Manager configuration software environment, which is designed for Windows 7, 8 and 10 operating systems.
- RC3-610M/DALI in 6-MODULE version is designed for mounting into a switchboard on DIN rail EN60715.

Operating conditions	
Working temperature:	-20 to +55 °C
Storage temperature:	-30 to +70 °C
Degree of protection:	IP20 device, IP40 with cover in the control cabinet
Surge category:	II.
Degree of pollution:	2
Working position:	any
Installation:	to the control cabinet for DIN rail EN 60715
Design:	6-MODULE
Dimensions and weight	
Dimensions:	90 x 105 x 65 mm
Weight:	310 g

Connection

