



EAN code
RC3-610M/DALI: 8595188184663
Order Code: 8467

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 of 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 50/60H 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

To provide power to the Dali bus via DA+ and DA-, it is essential to establish a 230V connection between Com8 and N.

- 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)-10V 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
Standards:	EN 63044-1

Connection

