

## Maintained contact control auxiliary for pulse operated latching relay

Catalogue number(s): 4 124 37



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### 1. DESCRIPTION - USE

#### Technology:

. Changeover contact

#### Use:

. For controlling a pulse operated latching relay via a maintained contact such as a switch, time switch, timed relay, etc.

### 2. RANGE

#### Maintained contact control auxiliary:

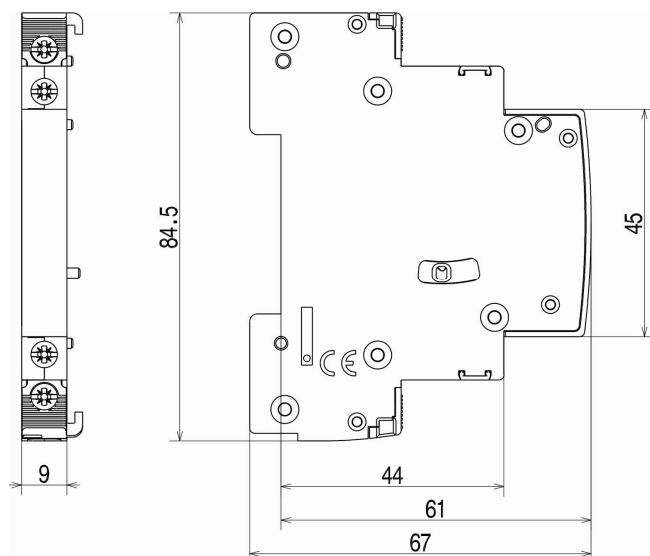
. Catalogue number 4 124 37: for Legrand modular pulse operated latching relays catalogue number 4 12x xx

#### Nominal voltage:

. U = 230 V~

. Compatible with all pulse operated latching relays catalogue number 4 12x xx with 12V~, 24V~, 48V~ and 230V~ control voltage

### 3. DIMENSIONS

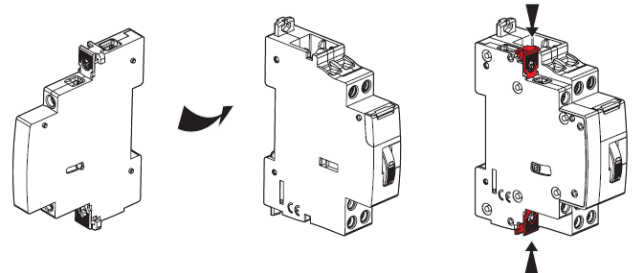


### 4. POSITIONING - CONNECTION

#### Assembly:

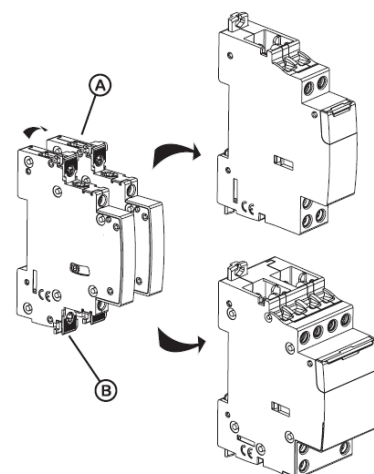
. Installed on the left of the Legrand modular pulse operated latching relays catalogue numbers 4 12x xx.

. Tool-free fitting using plastic clips on the product to which it is attached.



. 1 auxiliary catalogue number 4 124 37 maximum per pulse operated latching relay.

. Option of adding two auxiliaries per pulse operated latching relay, a control auxiliary per maintained contact catalogue number 4 124 37 (A) and an auxiliary signalling contact catalogue number 4 124 29 (B). In this case the control auxiliary Cat. No. 4 124 37 must be placed directly next to the pulse operated latching relay.



# Maintained contact control auxiliary for pulse operated latching relay

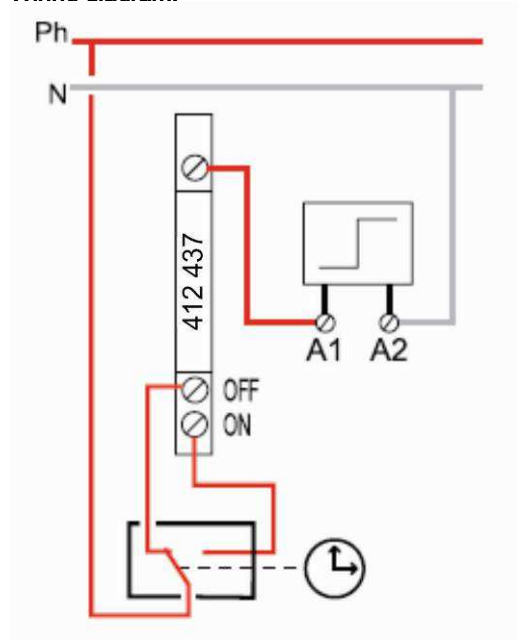
Catalogue number(s) : 4 124 37

## 4. POSITIONING – CONNECTION *(continued)*

### Installation software:

. XL PRO

### Wiring diagram:



### Operating position:

. Vertical, horizontal, flat (all positions)

### Mounting:

. On symmetrical EN 60.715 rail or DIN 35 rail via the device to which it is attached

### Recommended tools:

. For the terminal screws: insulated or non-insulated screwdriver, Pozidriv no. 1 or with a 4 mm blade.

### Connection:

- . Terminals protected against direct contact (IP 20 wired device)
- . Cage terminals, with disengageable or captive screws
- . Terminal depth: 8 mm
- . Terminal capacity:
  - 1 flexible cable (with or without gland) or rigid cable 2.5 mm<sup>2</sup> in size
- or
- 2 flexible cables (with or without gland) or rigid cables 1.5 mm<sup>2</sup> in size
- . Screw heads: slotted head and Pozidriv
- . Tightening torques: recommended = 0.8 Nm  
min. = 0.4mNm/max. = 1.2 Nm

### Degree of protection:

- . Terminal protection class against direct contact: IP2x (wired device) in accordance with standards IEC 529, EN 60529 and NF C 20-010
- . Front panel protection class against direct contact: IP3XD
- . Class II, front panel with faceplate
- . Protection class against mechanical impact IK04 in accordance with standards NF EN 50-102/NF C 20-015 (June 1995)

### Resistance to tremors:

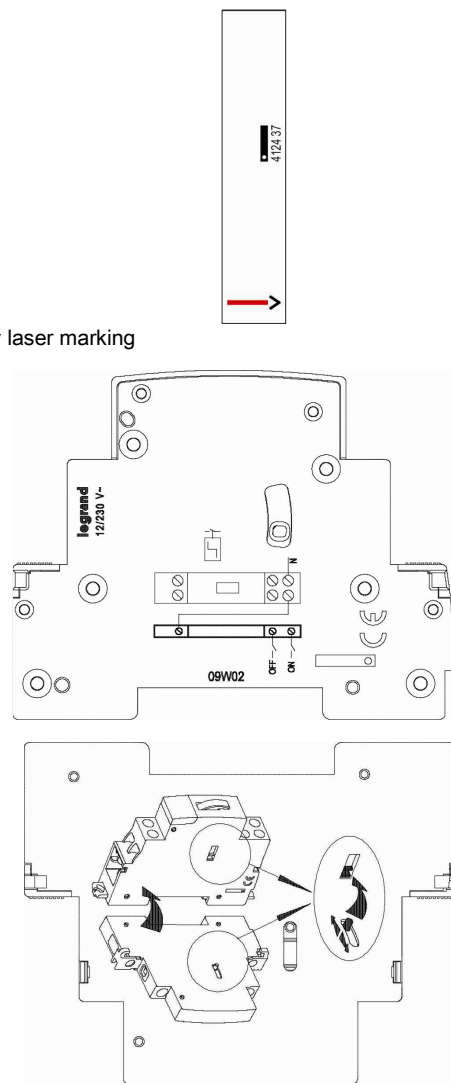
. No change in the status of the contacts during the "resistance to tremors" test as defined by the standard EN 60898.

## 5. GENERAL CHARACTERISTICS

### Marking:

. Front panel by indelible pad printing

. Side by laser marking



### Rated operating voltage:

. U<sub>e</sub> = 230 V~

### Operating voltages:

. 12 V, 24 V, 48 V, 230 V - 50/60 Hz

### Rated insulation voltage (U<sub>i</sub>):

. 250 V~

### Dielectric strength:

. 2000 V

### Rated impulse withstand voltage:

. U<sub>imp</sub> = 4 kV

### Rated operating frequency:

. 50/60 Hz

## 5. GENERAL CHARACTERISTICS *(continued)*

### Average weight per device:

- . 0.035 kg

### Volume and packaging:

- . Packaged volume: 2 dm<sup>3</sup>
- . Unit packaging

### Enclosure material:

- . Polyamide

### Plastic material characteristics:

- . Resistance to incandescent wire for 30 seconds at 960°C in accordance with IEC 695-2-1
- . Self-extinguishing in accordance with UL94 V0/V1

### Impact of height:

- . No impact up to 4,000 m

### Sinusoidal vibration resistance (in accordance with IEC 68.2.6):

- . Axis: x, y, z
- . Frequency: 10 to 55 Hz for 30 minutes
- . Acceleration: 3 g (1 g = 9.81 m.s<sup>-2</sup>)

## 6. COMPLIANCE AND APPROVALS

### Classification in accordance with Appendix Q: (standard IEC/EN 60947-1)

- . Category F

Inter alia: temperature test range -25°C/+70°C, vibration test 2 Hz to 13.2 Hz with ±1 mm movement, 13.2 Hz to 100 Hz acceleration ±0.7 g, salt spray in accordance with IEC 60068-2-52

### Respect for the environment – Compliance with European Union Directives:

- . Compliance with Directive 2002/95/EC of 27/01/03 known as "RoHS" which provides for a restriction on the use of dangerous substances such as lead, mercury, cadmium, hexavalent chromium and polybrominated biphenyl (PBB) and polybrominated diphenyl ether (PBDE) brominated flame retardants from 1<sup>st</sup> July 2006
- . Compliance with the Directive 91/338/EEC of 18/06/91 and decree 94-647 of 27/07/04

### Plastic materials:

- . Zero halogen plastic materials.
- . Labelling of parts compliant with ISO 11469 and ISO 1043.

### Packaging:

- . Design and manufacture of packaging compliant with decree 98-638 of 20/07/98 and Directive 94/62/EC