87045 LIMOGES Cedex
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Compensator for latching relay

Référence(s) : 4 124 39

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1. DESCRIPTION - USE

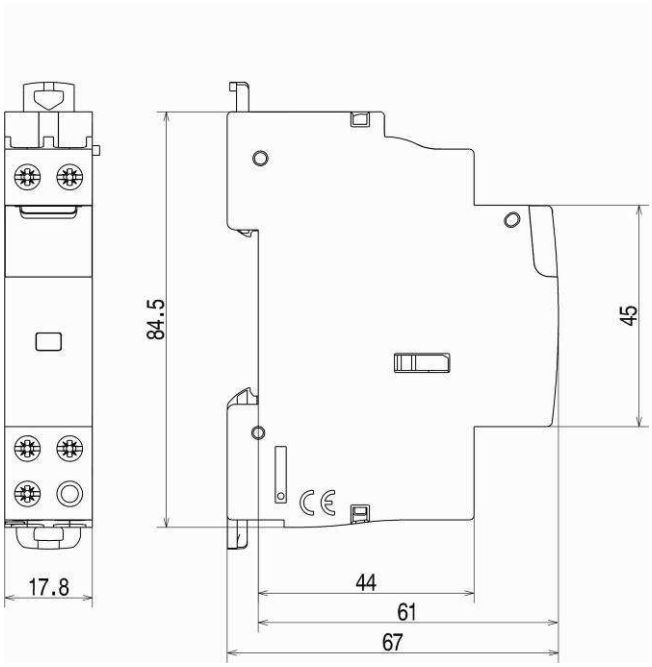
Technology:
. Impedant coil

Use:
. For controlling latching relay with several illuminated push-buttons if total consumption is more than 3mA.

2. RANGE

. Catalogue number 4 124 39: compensator impedance for latching relays 230V~

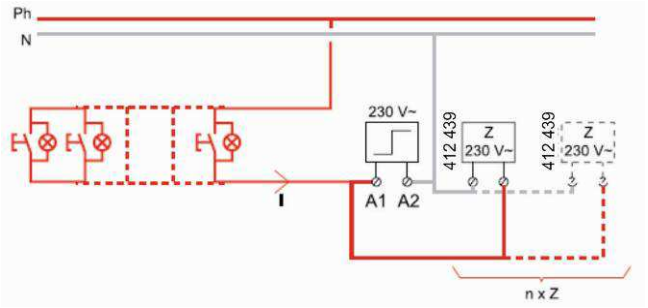
3. DIMENSIONS



4. POSITIONING - CONNECTION

Installation software:
. XL PRO

Wiring diagram:



For a 1 “NO” single pole or a 2 “NO” 2-poles latching relay

I	n x Z
≤ 3 mA	-
3 mA < I ≤ 6 mA	1 x 4 124 39
6 mA < I ≤ 9 mA	2 x 4 124 39

For a 4 “NO” 4-poles latching relay

I	n x Z
≤ 6 mA	-
6 mA < I ≤ 10 mA	1 x 4 124 39

Operating position:
. Vertical, horizontal, flat (all positions)

Mounting:
. On symmetrical rail EN 60.715 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
. For fixing : Pozidriv n°1 or plate (5.5 mm max) screwdriver

4. POSITIONING – CONNECTION *(continued)*

Positioning in a row:

. The product profile and positioning of the terminals allow single-phase and three-phase toothed connection supply busbars to be passed at the top of the product without impairing accessibility of the pulse operated latching relay terminals. This way it is possible to select the position of the pulse operated latching relay freely in the row and to supply the circuit breakers located on the same rail using toothed supply busbars.

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 mm² in size

or

- 2 flexible cables (with or without gland) or rigid cables 2.5 mm² in size

. Screw heads: mixed head, slotted head and Pozidriv
. Tightening torques: recommended = 0.8 Nm
min. = 0.4mN/max. = 1.2 Nm

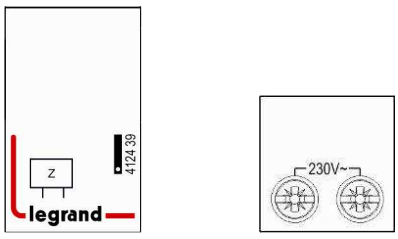
Degree of protection:

. 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)

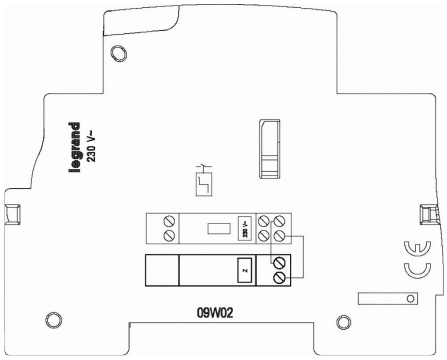
5. GENERAL CHARACTERISTICS

Marking:

. Front panel and terminals marking by indelible pad printing



. Side by laser marking



Rated operating voltage:

. Ue = 230V~

Maximum operating voltage:

. 250 V~ 50/60 Hz

Rated impulse withstand voltage:

. U imp = 4 kV

Rated operating frequency:

. 50/60 Hz

Average weight per device:

. 0.100 kg

Resistance to sinusoidal vibrations (according IEC 68.2.6):

. Axes: x / y / z
. Frequency: 10 to 55 Hz
. Acceleration: 3 g (1 g = 9.81 $m.s^{-2}$)

Volume and packaging:

. Packaged volume: 2 dm^3
. 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

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 1st 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