

USER GUIDE

RPS1000

Electronic silent Step Relay controlled by push-button (3 wires).



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General Characteristics

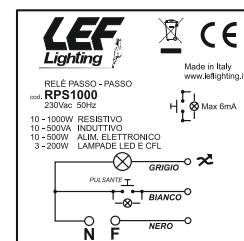
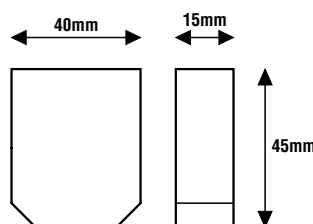
Plastic case
Resinated with polyurethane resin conforming to UL 94V-0 standard.
Control push-button
3 wires system

Technical Features

Input voltage range 230Vac
Input frequency 50Hz
Electronic silent step relay
Control thorough:
- push-button (PUSH 230Vac)
Manageable power (see table)
«STATE MEMORY» function
«ZERO CROSSING» function
No consumption
Operating ambient temperature T_a $-5^{\circ}\text{C} \div +35^{\circ}\text{C}$

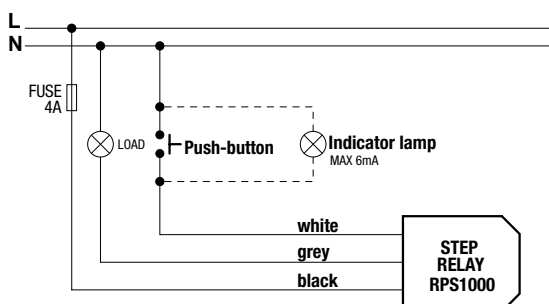
Reference Standards

EN60669-1
EN60669-2-1

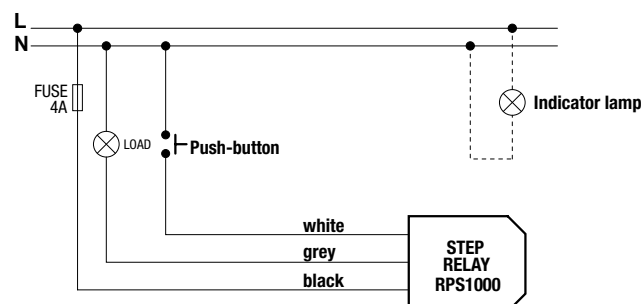


CODICE CODE	Funzione Function	Comando Command	RESISTIVO RESISTIVE Lampade ad incandescenza o alogene Incandescent or halogen lamps 230Vac	INDUTTIVO INDUCTIVE Trasformatore lamellare Laminated transformer 230/12Vac	INDUTTIVO INDUCTIVE Trasformatore toroidale Toroidal transformer 230/12Vac	Alimentatore elettronico con lampade ad incandescenza o alogene Electronic driver with incandescent or halogen lamps 230/12Vac	Alimentatore elettronico con lampade LED dimmerabili Electronic driver with dimmable LED lamps 230/12Vac	Alimentatore elettronico dimmerabile con uscita in CC/CV per LED Dimmable electronic driver with CC/CV output for LED 10-500W	Lampade fluorescenti compatte dimmerabili Dimmable compact fluorescent lamps 230Vac	Lampade LED LED lamps 230Vac	Peso Weight (g)
RPS1000	RELÈ	PUSH	10-1000W	10-500VA	10-500VA	10-500W	10-500W	10-500W	10-500W	3-400W	50

Push-button connection on the NEUTRAL with indicator lamp on the NEUTRAL



Push-button connection on the NEUTRAL with independent indicator lamp



It is recommended to protect the device with a 4A FAST FUSE.

Controlled by one or more normally open NO push-buttons, even having warning lights (Max 6mA).
The Relay changes its state ON/OFF every time you slightly press on the push-button.

This commutation occurs under the zero crossing of the main voltage sine curve ("ZERO CROSSING" function).
This feature brings long life to relay contact and ensures good short-circuit resistance.

Instructions:

Connect the electronic step Relay RPS1000 in series with the load.

The device is operated through normally open (NO) push-buttons, as in the diagrams.

It is recommended to carefully check the connections before inserting the main voltage because an eventual short-circuit can irreversibly damage the power semiconductor (TRIAC).

The maximum ambient reference temperature is $+35^{\circ}\text{C}$, so, at each 5% increase of it, you have to lower the maximum power by 20%.

The Relay stores the "STATE MEMORY" function even in absence of main voltage (230Vac).



PRODUCT TO BE DISPOSED
DIFFERENTLY FROM URBAN WASTE
AEE identification nr. IT18040000010321



MADE IN ITALY

