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Proportional actuator

RBF10A – V1.5

BUSing®
BUSing®

General description

Proportional actuator or regulator operating on BUSing to regulate flourescent lighting, or electronic ballast lighting.

Device devised to obtain precise digital regulation; receives orders only via the BUS.

When these devices receive orders directly from the BUS, these devices can be controlled with conventional push-buttons (using a MECing), hand remote controls, touch screens or PC.

The regulating ramp (on/off lighting) is done by programming using the Development System (software program).

Capacity

- Cut-off 10A. The number of ballasts that can be connected will depend on their start-up peaks. If the device has a high consumption, add a contactor to the outputs.
- The device can deliver up to 35mA in the output voltage 1-10V.
- 1 regulation channel.
- Protected against power surges in the voltage output 1-10V.
- The output relay for on/off of ballasts is not protected against shortcircuits.
- Digital control using a 200 regulation points Micro-Controller.
- Digital control of regulating level via BUS.

Technical information

Supply – 230 Vac and 9-16 Vdc from BUS

Max. power consumption- 2.8VA@ 230Vac

Consumption current (BUS) – 25 mA @ 12Vdc (without connection to 230Vac)

Max. Current Output 1–10 V– 35mA

Cut-off – 10A

Output – 1 relay output.

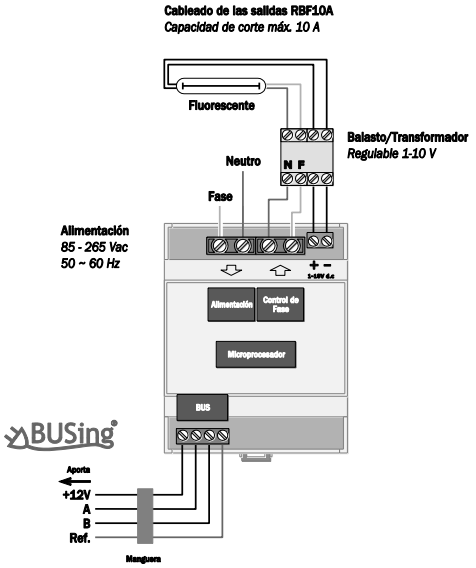
Input – It is needed a MECing device to its control through common mechanisms from the BUS.

Mounting– DIN rail mounted (4 modules)

Environment temperature range - Operation: from -10ºC to 55ºC / Storage: from -30ºC to 60ºC / Transportation: from -30ºC to 60ºC.

Regulation - According to the directives of electromagnetic compatibility and low voltage •EN 50090-2-2 / UNE-EN 61000-6-3:2007/ UNE-EN 61000-6-1:2007 / UNE-EN 61010-1.

Installation



Remarks

Feed low voltage lines (BUS and inputs) in separate ducting to that of power (230V) and outputs.

Use flexible shielded 2 x 0,5 mm^2 + 2 x 0,22 mm^2 for the BUS.

Follow a colour code for the BUS. Our ref: Red +12V, Yellow: A, Green: B, Black: ref.

⚠ **DO NOT INSTALL AND/OR HANDLE IN VOLTAGE. RISK OF FAILURE AND/OR PHYSICAL DAMAGE.**

QR-Code

Ingenium, Ingeniería y Domótica S.L. – Parque Tecnológico de Asturias, Parcela 50 – 33428 Llanera – Asturias – Spain
T +34 985 118 859 – F +34 984 283 560 - ingeniumsl@ingeniumsl.com - www.ingeniumsl.com