

eibDUO

Multipurpose Switching Actuator
with Power Supply Unit
NTA6F16H
NT320A6F16H

Description

The *eibDUO* switching actuator with power supply unit consists of a 6-fold actuator and a 640/320mA power supply unit in one casing. It is especially suited for high loads, also capacitive loads, with high start-up peaks (C load).

The load for each channel is 16A (10A) at 250V AC, each channel can be assigned its own mains phase. Each channel is connected to a screwless twin terminal, which allows the phase to be looped through in compliance with existing regulations and two loads to be connected to the terminal. Each channel can be operated manually by a relay mover which also indicates the status of the switch.

Technical Data of Actuator

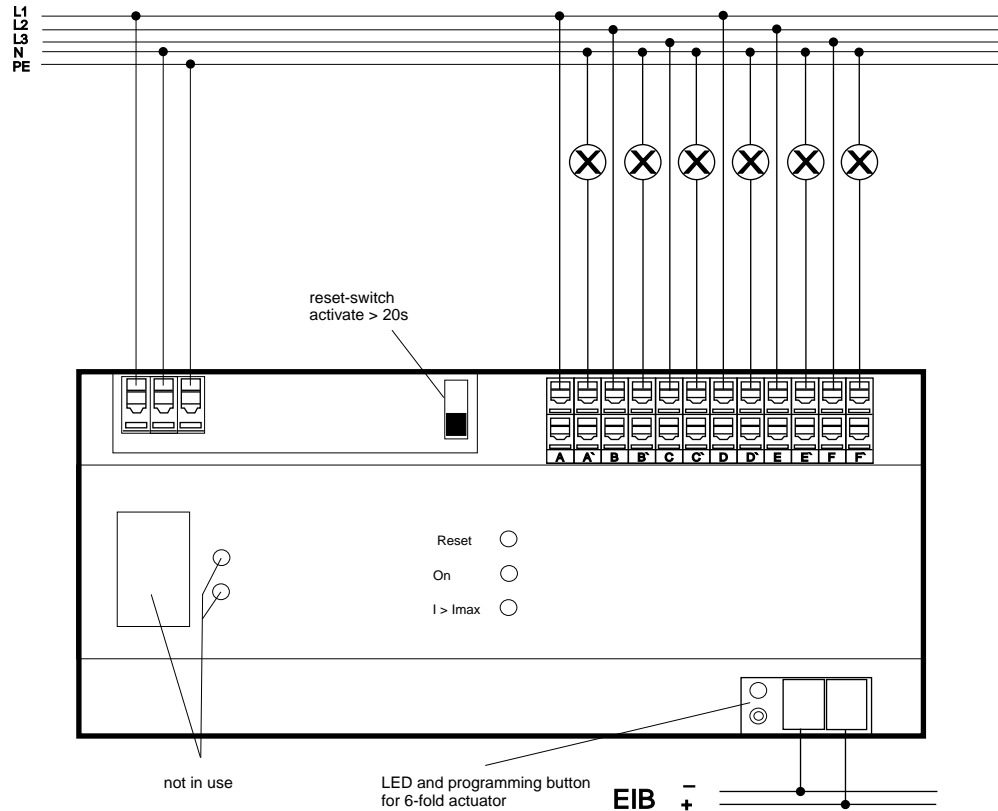
max. group addresses	40
power supply	24V DC via EIB
auxiliary power supply	not necessary
protection class	IP 20
dimensions	216 x 90 x 65 mm (12 RU*)
installation	35 mm DIN rail
mechanical life-cycle	10 ⁶ switching operations
operating temperature	-5 ... +45°C
rated load per contact	16A (10A)/250V AC 50...60Hz

maximum power load per contact

incandescent lamp load	3680W (10A 2500W)
flourescent lamp load	compensated 3680W uncomp. (C _{max} . 200uF) 2500W
low-voltage halogen	with transformer 2000W

*RU = rail unit

The total load must not cause overheating of the device!



Terminals

- the upper and lower tiers of terminals A to F' are each individually wired
- terminal cross section: 0.08 - 2.5 mm²
- stripping length: 5 - 6 mm
- conductors permitted:
 - single core
 - multi-filar
 - fine-wired, including tin-plated individual wires
 - fine-wired, with wire end sleeves

Warnings

- The device must only be installed and configured by a qualified professional!
- If the outlets are connected to different mains phases which are not protected by the same protector unit, a clearly visible note to that effect has to be attached to the device!
- Health and safety regulations have to be compiled with!
- Do not open the device!
- A faulty device must be returned immediately to Lingg & Janke OHG!

Configuration

The factory settings of the actuator do not feature any device or group addresses. The functions required are assigned when setting the parameters. During the planning phase with ETS, objects which are not assigned are not displayed either.

important:

The bus coupling unit (BCU 2.1) used in the actuator requires the following to be installed before first-time use of the device:

for ETS 2.0 V1.1

- Service Release B
- dummy device BCU21_vd1
- product data base 08/2001 or later

for ETS 2.0 V1.2

- product data base 08/2001 or later

The application programm must always be fully downloaded to the device, never partially. Partial download of the programm may lead to malfunctions.

Installation

The device is mounted on a DIN rail, DIN EN 60715 TH35

Position the device on the DIN rail from above. Apply brief, strong pressure on the lower edge of the casing to engage the casing with the rail.

The device can be removed from the rail without any tools: simply slide it from the DIN rail upwards and remove it from the top of the rail. Do not apply any force lest the clamps be damaged.

To connect the wires to the screwless terminals, insert a slotted screwdriver into the respective mounting hole under the terminal, which opens the terminal. Insert the wire into the mounting hole and remove the screwdriver. The wire is now locked in place.

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