Power Supply
N 123  LCP 3000EZ
Data Sheet
### Technical Specifications

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| INPUT VOLTAGE | • Rated voltage 120V AC  
• Frequency 50...60 Hz  
• Permissible range: 100...132V AC |
| RATED POWER CONSUMPTION | Approx. 24 VA |
| OUTPUT VOLTAGE | • Rated voltage 29V DC  
• Safety extra low voltage (SELV)  
• Permissible range: 28...30V DC |
| OUTPUT CURRENT | • Rated current 320 mA  
• Short-circuit current: limited to 1,5 A |
| BACKUP INTERVAL | On input voltage failure:  
min. 200 ms at rated current |
| CONTROL ELEMENTS | Slide switch for resetting the bus devices connected to the line (operation > 10 s) |
| DISPLAY ELEMENTS | • 1 red LED for indicating a shorted-out bus line or device over-load  
• 1 green LED for indicating faultless operation  
• 1 yellow LED for indicating external overvoltage on the busline power supply in reset mode |

### Connections

- Mains connection, screwless plug-in terminals: AWG #14 solid Cu  
- Bus line, pressure contacts on data rail

### Physical Specifications

- Polymer casing  
- DIN-rail mounted device, width: 5,5 SU (15U = 18mm)  
- Weight: approx. 460 g (28oz)  
- Installation: rapid mounting on DIN EN 50022/35 x 7,5 rail

### Electromagnetic Compatibility

Complies with Part 15 of the FCC rules pursuant to the limits for a Class A digital device

### Environmental Specifications

- Ambient temperature operating: 23...113°F (-5...+45°C)  
- Maximum ambient temperature range: -13...158°F (-25...+70°C)  
- Relative humidity (non-condensing): 5% to 93%

### Listing and Certifications

- UL listed (E173 174 )  
- UL 916, Open Energy Management Equipment  
- CSA certified (pending)  
- CE marked  
- EIB certified
Location and Function of the Display and Control Elements

A1 Screwless plug-in terminals for connecting the mains (mains terminals)
A2 Ground terminal
A3 Red LED for indicating a shorted-out bus line or a device overload
A4 Green LED for indicating normal operation of the power supply unit N 123
A5 Yellow LED for indicating overvoltage
A6 Type plate

Installation instructions
The device may be used for permanent interior installations in dry locations within distribution boards.

Mounting

General description
The DIN-rail device can be installed in the instabus EIB lighting control panel, to surface or flush mounted, and snapped onto the DIN-rail EN 500022-35 x 7.5 available that has a data rail plugged to it.

The connection to the bus line is established by clicking the device onto the DIN-rail (with glued-in data rail).
Take care that the type plates of all devices on a DIN-rail can be read in the same direction, guaranteeing the devices are polarized correctly.

Mounting the Power Supply unit N 123 to a DIN-rail
• Slide the DIN-rail device (B1) onto the DIN-rail (B2).
• Swivel back the DIN-rail device until the slide clicks into place audibly.

Dismounting DIN-rail devices
• Remove all connected wires
• Press down the slide (C3) with a screwdriver
• Swivel the DIN-rail device (C1) from the DIN-rail (C2).

Wiring

Connecting load circuits
• The load circuits are connected via screwless plug-in terminals (D1).
• Remove approx. 3/8" (9 mm) of insulation from the wire (D1.1) and plug it into the terminal (D1).

Disconnect load circuits
• Press the terminal lock (E1.2) with a screwdriver
• Remove the wire3/ (E1.1) from the terminal (E1).

Typical circuit