

Connector  
REG 191/11 LCP3000EZ  
Data Sheet



# product GUIDE



**SIEMENS**

Global network of innovation

## Connector REG 191/11



### Product and Applications Description

The REG 191/11 connector is a small-scale DIN-rail mounted device for placing under distributor cabinet covers. It creates a connection between the data rails within a distributor cabinet (via two distributors), or between a data rail and the bus line installed in the building. This connector is similar to the REG 191/01, but has two additional connections which are connected to the two outer printed conductors of the data rail. This makes it possible, for example, to operate two N 123 voltage supply units, which are mounted on different data buses,

## 5WG1-191-5AB11

across an N 120 choke. Up to eight lines can be connected via two low voltage connection blocks (to be ordered separately) which are similar to the 193 bus connection block.

### Application Programs

No application programs required.

## Technical Specifications

### CONNECTIONS

- Bus line:
- Two screwless bus connection blocks AWG #18-20 solid Cu (order separately)
- Pressure contacts on data rail
- Outer printed conductors of the data rail:
- Two screwless extra low voltage terminals AWG #18-20 solid Cu (order separately)

### PHYSICAL SPECIFICATIONS

- Polymer casing
- DIN-rail mounted device, width: 1 SU (1SU = 18 mm)
- Weight: approx. 45 g (2oz)
- Installation: rapid mounting on DIN EN 50022-35 x 7,5

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

### LISTINGS AND CERTIFICATIONS

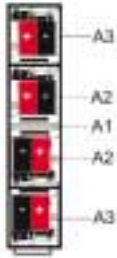
UL listed (E173 174)  
UL 916, Energy Management  
Equipment Accessory

CSA certified  
(pending)

CE marked  
complies with EMC regulations  
(residential and non-residential  
buildings) and low volt-age regulations

EIB certified

## Location and Function of the Ports (terminals)



- A1** Connector REG 191/01
- A2** Bus connection block
- A3** Low voltage terminal (DC 24 V)

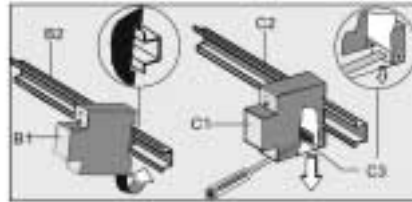
### Installation Instructions

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 Connector unit REG 191/11 to a DIN-rail

- Slide the DIN-rail device (B1) onto the DIN-rail (B2) and swivel 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 and swivel the DIN-rail device (C1) from the DIN-rail (C2).



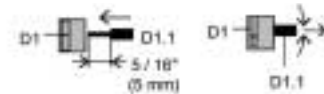
## Wiring

### Slipping on the bus connection block

- Slip the bus connection block (D1) onto the guide slot
- Press the bus connection block (D1) down to the stop

### Connecting the bus connection line

- The connection block (D1) can be used with single core conductors  $\varnothing$  0,6 ... 0,8 mm.
- Remove approx. 5/16" (5 mm) of insulation from the conductor (D1.1) and plug it into the connection block (D2) (red = +, black = -).

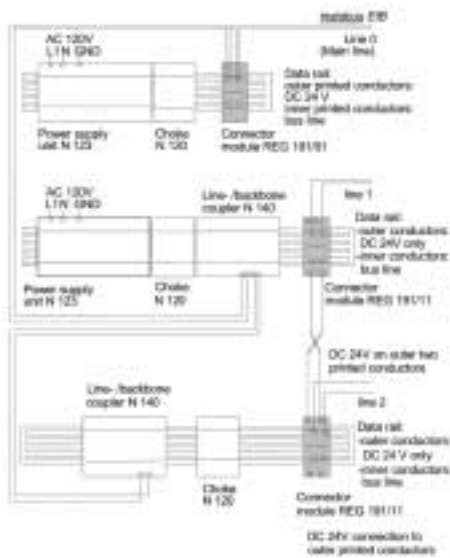


*Connecting and disconnecting the bus connection line*

### Disconnecting the bus connection line

- Unplug the bus connection block (D1) and remove the bus cable conductor (D1.1) while simultaneously wiggling it.

**Typical circuit**



**Important remark**

A faulty device should be returned to the local Siemens sales office or distributor.

**Siemens Energy & Automation, Inc.**

Power Distribution Solutions  
3333 Old Milton Parkway  
Alpharetta, GA 30005

For more information, call **1-800-427-2256**  
or visit **www.sea.siemens.com**

© 2004 Siemens Energy & Automation, Inc. All Rights Reserved

Siemens is a registered trademark of Siemens AG. Product names mentioned may be trademarks or registered trademarks of their respective companies. Specifications are subject to change without notice.