SIEMENS

USA

instabus® Technical Manual

Connector REG 191/11

2x2 fold

5WG1 191–5AB11

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, across an N 120 choke. Up to eight lines can be connected via two low-voltage connection blocks (to be ordered seperately) 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 = 18mm)
- weight: approx. 45 g (2oz)
- 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: - 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 voltage regulations

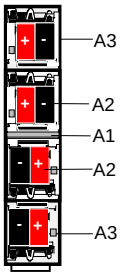
EIB certified

Connector REG 191/11

2x2 fold

5WG1 191-5AB11

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.

⚠ WARNING

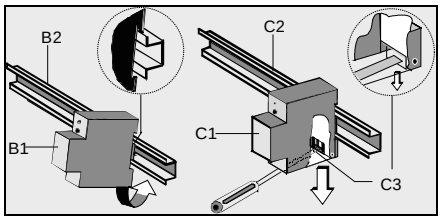
Disconnect and lock off power before installing or working on the device.

The device must not be opened.

Free DIN rail areas with sticked-in data rails must be covered with covers, order no. 5WG1 192-8AA01.

The prevailing safety rules must be heeded.

The device must not be opened. A device suspected faulty should be returned to the local Siemens office.



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 sticked 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.

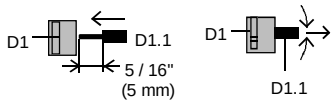
Dismounting DIN-rail devices
- Remove all connected wires,
- press down the slide (C3) with a screw-driver and swivel the DIN-rail device (C1) from the DIN-rail (C2).

Wiring

Slipping on the bus connection block
- slip the bus connection block (D1) onto the guide slot and
- press the bus connection block (D1) down to the stop

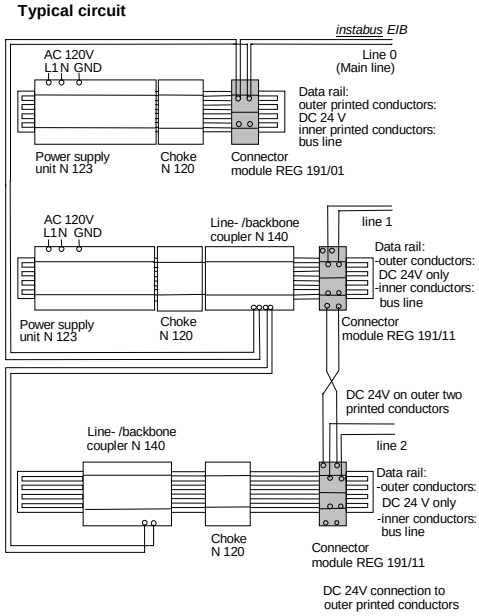
Connecting the bus connection line
- The connection block (D1) can be used with single core conductors Ø 0,6 ... 0,8 mm.
- Remove approx. 5/16" (5 mm) of insulation from the conductor (D1.1) and plug it into the connection block (D2)
  (red = +, black = -).

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



Connecting and disconnecting the bus connection line

Typical circuit



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