

Connector REG 191/01

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5WG1 191-5AB01

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Product and Applications Description

The REG 191/01 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. Up to eight bus lines can be connected via two 193 bus connection blocks (to be ordered separately).

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

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

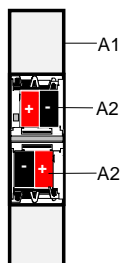
(pending)

CE marked

complies with EMC regulations (residential and non-residential buildings), and low voltage regulations

EIB certified

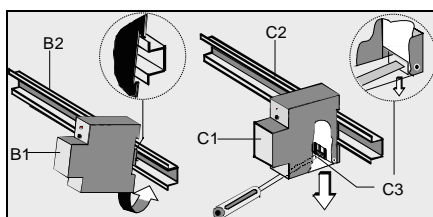
Location and Function of the Display and Control Elements



A1 Connector REG 191/01
A2 Bus connection block

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 50022-35 x 7,5 that has a data rail stuck 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 191/01 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).

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.

Wiring

Slipping on the bus connection block

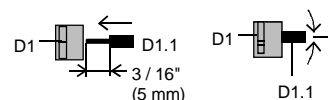
- slip the bus connection block (D1) onto the guide slot and
- press the bus connection block (D1) down to the stop

Connecting the bus connection line

- The connection block (D1) can be used with single core conductors Ø 0,6 ... 0,8 mm.
- Remove approx. 3/16" (5 mm) of insulation from the conductor (D1.1) and plug it into the connection block (D2)
(red = +, black = -).

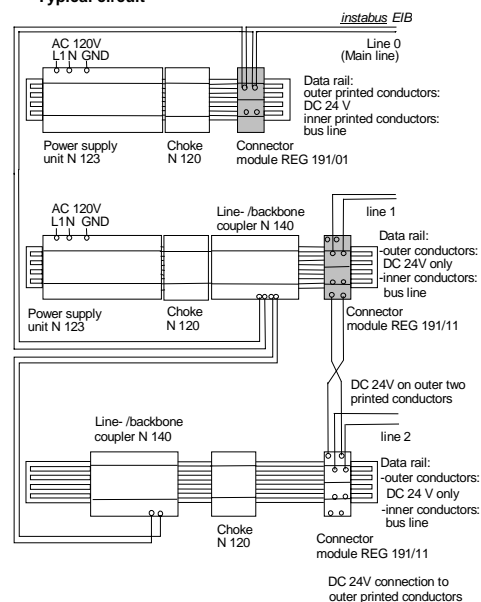
Disconnecting the bus connection line

- 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.