

Sentron 3/6 Bus Plug with Optional Metering

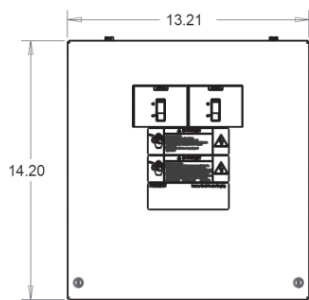
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What's new?

The Sentron 3/6 Bus Plug (S36) is a new product offering from Siemens that combines plug-and-play functionality with the most advanced metering and circuit protection capabilities on the market. The S36 plug comes with anywhere between 1-6 poles of power distribution, with up to 100A per pole (200A per phase). Each circuit is protected by Siemens BL, BQD or NGB breakers (depending upon application required kAIC). Additionally, this plug offers optional integrated metering packages utilizing the Siemens Embedded Micro Metering product (SEM3™). Simply connect your S36 plug to the downstream device using the factory installed receptacle, make the appropriate control wiring connections, and your facility will be on the cutting edge of power distribution technology.

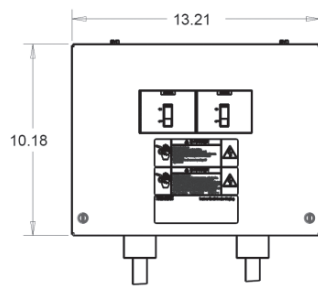
What are the possible product configurations?

The S36 plug is highly configurable with many options, resulting in several possible product configurations. Generally, product layout is dictated by a few primary selections. First, if the metering option is selected the user must decide if a master/controller plug or slave/metered plug is required (see example application layout on reverse side). Second, the user must decide the type of receptacle, and whether they want it to be corded or flush mount. A field wired version is also available. Finally, the amperage and circuit configuration must be selected which dictates the breaker, neutral, ground, connector (if applicable) and pole configuration. The different plug configurations described are shown below:



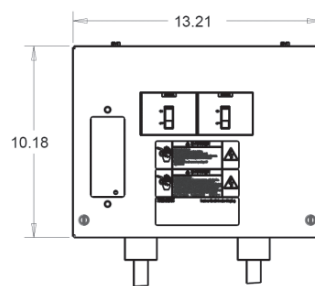
Field Wireable Plug

- 4" extended can height for ease of wiring
- No factory installed receptacle
- Stocking program for specific variants



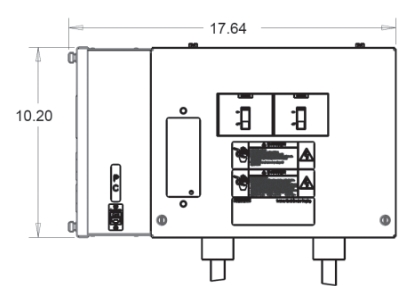
Non-Metered Plug

- Standard can height 10.18" 60A and below (per pole)*
- Factory installed corded or surface mount receptacles



Metered Plug

- Standard can height 10.18" 60A and below (per pole)*
- Factory installed corded or surface mount receptacles
- Preconfigured SEM3 meter rack (slave)



Controller Plug

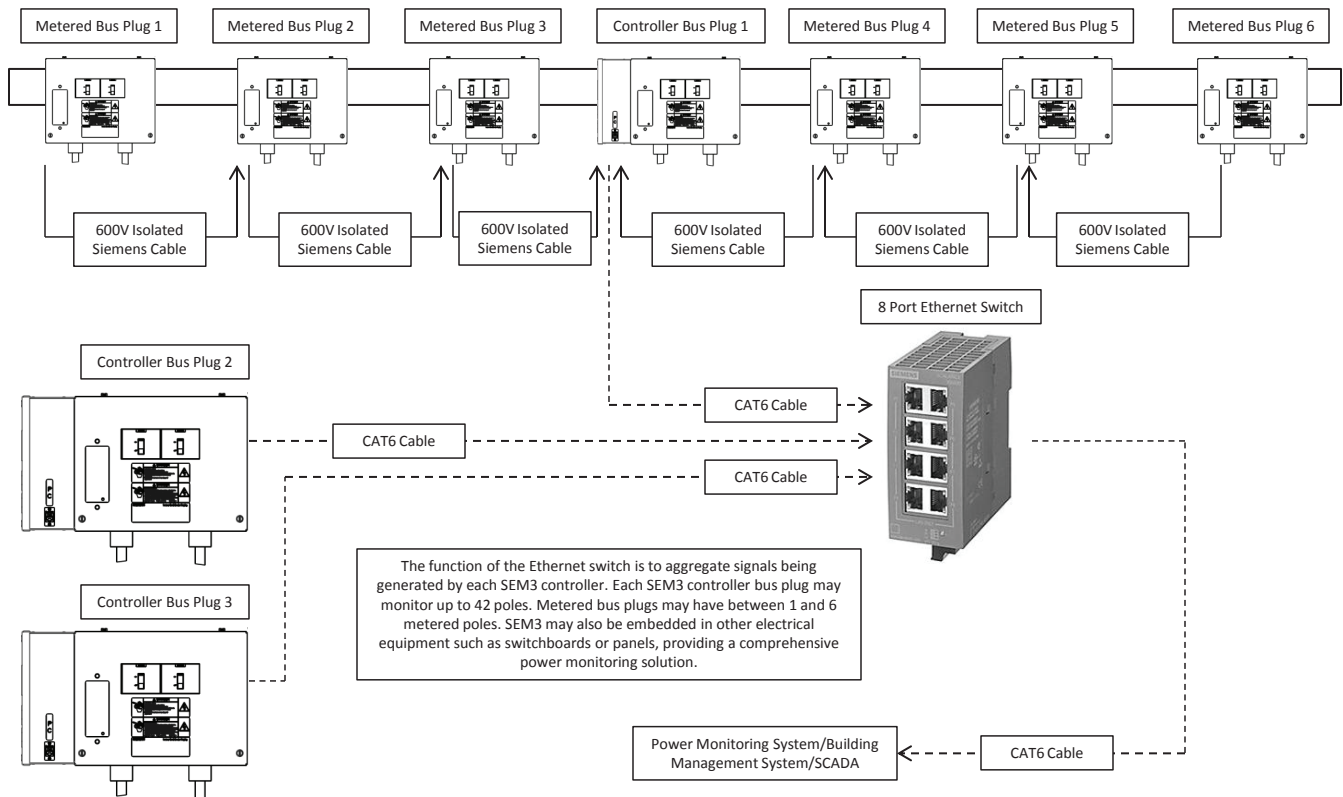
- Standard can height 10.18" 60A and below (per pole)*
- Factory installed corded or surface mount receptacles
- Preconfigured SEM3 meter rack and controller (master)

*All plugs with greater than 60A per pole are increased in height to 14.20"

Detailed Product Options

- **Metering Options:** The possible SEM3™ metering configurations include metered and controller plugs. All plugs with any SEM3™ component must be connected via CAT6 cable to neighboring metered or controller plug. One controller is required for every 42 metered poles, thus one out of every seven plugs must contain a controller (assuming six metered poles per plug). Low (1%) and high (0.2%) accuracy meters are available, as well as 3 or 6-pole meter configurations per bus plug.
- **Connector and Power Cord Options:** Cord lengths are offered at intervals of 3, 5, 7 and 10 ft. and feature a broad offering of NEMA, IEC pin/sleeve and California Standard style connectors. Additionally, the option exists for surface mount receptacles. Note that surface mount will increase enclosure size from 13 x 10 in. to 13 x 14 in. (standard depth of 7.5 in).
- **Circuit Configuration Options:** This plug allows a maximum of 100A per pole, with six poles per plug. Any breaker configuration with up to six poles is available. For poles up to 60A, the enclosure size is 13 x 10 in. For poles greater than 60A, enclosure size increases to 13 x 14 in. Available Siemens breaker frames include NGB, BL and BQD.
- **Field-Wired Option:** The field-wired plug defaults to the larger enclosure size and includes knockouts for wiring from the load side of breakers. Field wired plugs will be shipped with 3 or 6-pole NGB, BL or BQD breakers installed. The field wired plug is shipped with 200% neutral and ground configurations. Cord length, connector type and strain relief used are customer supplied.

Sample Configuration



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