Microlectric
BP320 Series
320 A Self-Contained Meter Sockets

Your best connection to meet tomorrow’s needs today

Thomas&Betts
A Member of the ABB Group
Uncover the features. Discover the benefits.

Microlectric®
BP320 Series
Self-Contained Meter Sockets

Lexan® protective shield covers all bus bars and connections and complies with CSA standard Z462 for electrical safety in the workplace.

Exclusive plastic security guard allows connection between meter blades and socket jaws while preventing access to energized parts when meter is removed.

Neutral connector is visible and accessible with plastic security guard in place (6-250 kcmil - line/load side)

Exclusive bypass mechanism is accessible with main cover closed.

Microlectric® BP320-V

Overhead service

Overhead service
Microlectric BP320-V
The future has arrived. Be ready to respond.

Microlectric®. Tomorrow’s solutions, today.

Residential demand for electricity continues to climb. In many households, 200 A service entrances are rapidly becoming overloaded as homeowners install more and more systems powered by electricity.

The future is clear: 200 A service entrances will soon be a thing of the past.

Service entrances above 200 A require the installation of current transformers which are owned and maintained by the local electrical utility. That is, until now.

Thomas & Betts is proud to introduce the new Microlectric BP320 Series – the first self-contained, 320 A meter socket designed in Canada, for Canada. Developed to meet the increasing demand for larger service entrances, the BP320 Series offers unparalleled safety features and requires no external current transformer. It also meets the requirements of the 2015 Canadian Electrical Code.

The future has arrived. The Microlectric BP320 Series meter socket will help you meet the challenges.
Meet higher amperage demands. Safely and efficiently.

- 320 A self-contained meter socket – no current transformer required
- Simplifies installation, reduces maintenance costs for electric utility
- Unparalleled safety features, including a make-before-break by-pass system
- Unique Tuxedo design with a choice of four (4) colour options
- CSA certified and complies with 2015 Canadian Electrical Code

Angled, dual-rated mechanical connectors make conductor installation easy.

Bypass mechanism is accessible to authorized employees only. A standard 3/8” hex key activates the bypass.

Bond lug accepts wire gauges from no. 2 to 14 AWG.

Easy conversion to insulated neutral by simply removing the brass screw.
Take a closer look.

**Underground service** also available Microlectric® BP320-TV model

- Double 1/2-inch stud connectors to accommodate compression lugs for underground service-type connectors (neutral and line side)
- Tunnel-type connectors (load side)
- Two (2) 1-1/2” to 3” bottom knockouts

**Unique bypass** is accessible with main cover closed. Integrated label identifies meter and bypass modes. A rotation system opens and closes the meter jaws for easy meter removal. No arc flash. No service interruption.

**Built-in flexibility for conductor configurations**
Hub openings on top and knockouts on the sides (2), back (3) and bottom (3) allow many configurations. Single entry - 1/0 – 500 kcmil. Double - 1/0 – 250 kcmil. Accepts both aluminum and copper conductors (and compression connectors for underground version).

**Seal prevents access or tampering**
One seal securely unites both the by-pass cover plate and the meter sealing ring.

**Factory-installed jumper plate for additional safety during upgrade installation**
During installation, the jumper plate stays in place to maintain service to the homeowner. A temporary transparent cover safely closes off entry to the meter socket until the meter is installed.

**Metal angle inside bypass door** prevents the installer from closing the door unless the bypass is in meter mode.

**Distinctive Tuxedo™ design**
Visually-appealing Tuxedo™ design is sleek and low-profile.
An industry first!
The Microlectric® BP320 meter socket is available in a choice of four (4) colours to complement any building exterior. Meter sockets are supplied in light grey unless the following suffixes are added:

- Dark grey = -08 (ex. BP320-V-08)
- White = -09 (ex. BP320-TV-09)
- Beige = -11 (ex. BP320-V-11)

Colour options

Ordering information

<table>
<thead>
<tr>
<th>Cat. no.</th>
<th>Description</th>
<th>Weight lb. (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BP320-V</td>
<td>For overhead service</td>
<td>47 (21.3)</td>
</tr>
<tr>
<td>BP320-TV</td>
<td>For underground service</td>
<td>47 (21.3)</td>
</tr>
</tbody>
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Conductor size

<p>| | |</p>
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Single run</td>
<td>1/0 - 500 kcmil</td>
</tr>
<tr>
<td>Parallel runs</td>
<td>1/0 - 250 kcmil</td>
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