

Microelectric 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



Microelectric[®] BP320 Series Self-Contained Meter Sockets

Uncover the features. **Discover** the benefits.

Overhead service
Microelectric[®] BP320-V

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)

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

Exclusive bypass mechanism is accessible with main cover closed.





The future has arrived.
Be ready to respond.

Microelectric[®]. 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 Microelectric[®] 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.

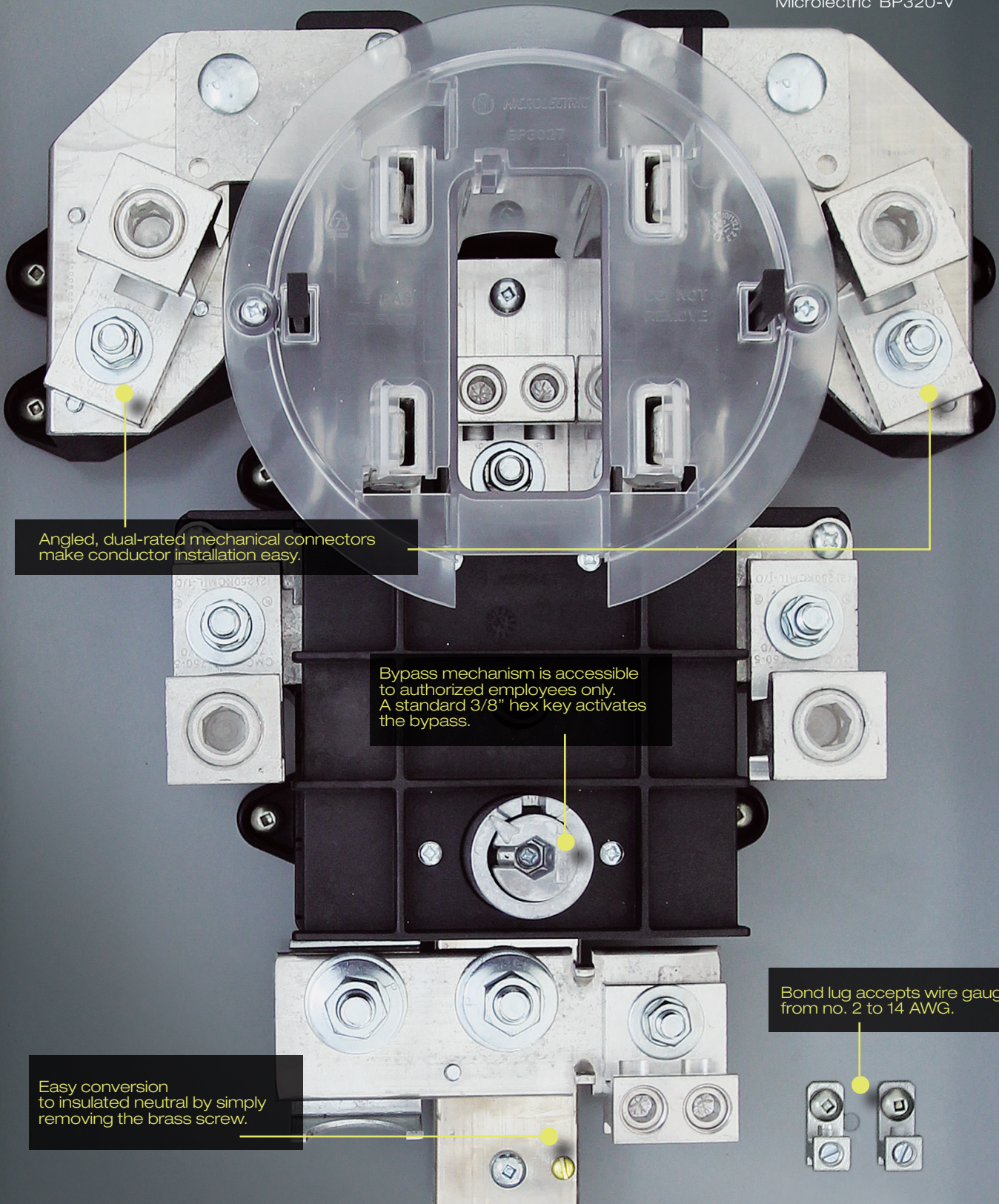
The future has arrived. The Microelectric[®] BP320 Series meter socket will help you meet the challenges.



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

Overhead service
Microelectric BP320-V



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.

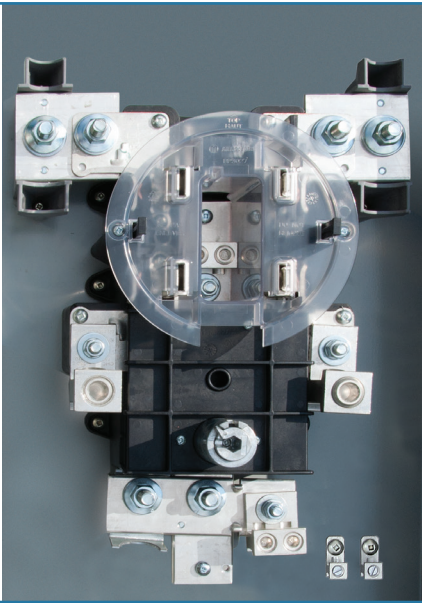
Easy conversion to insulated neutral by simply removing the brass screw.

Take a closer look.

BP320

**Underground service also available
Microelectric® 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).



**Distinctive
Tuxedo™ design**

Visually-appealing Tuxedo™ design is sleek and low-profile.

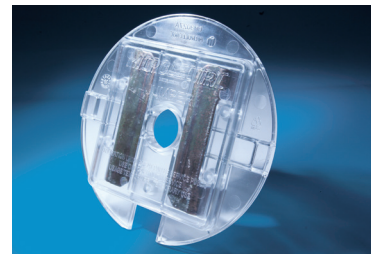
**Seal prevents access
or tampering**

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.

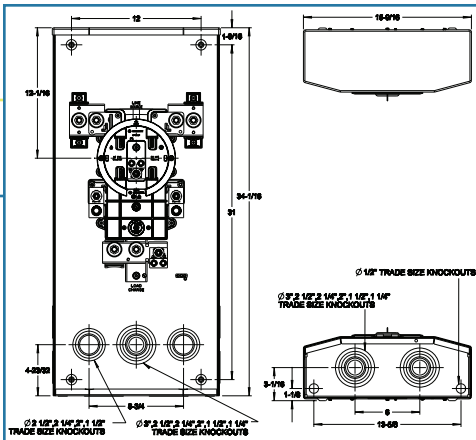


Metal angle inside bypass door

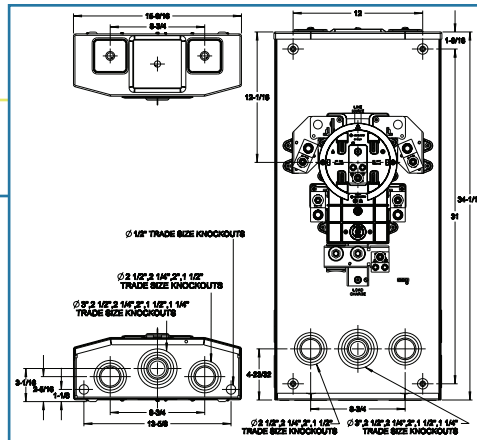
prevents the installer from closing the door unless the bypass is in meter mode.



BP320-TV Underground service



BP320-V Overhead service



Colour options



An industry first!

The Microelectric® 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)

Ordering information

Cat. no.	Description	Weight lb. (kg)
BP320-V	For overhead service	47 (21.3)
BP320-TV	For underground service	47 (21.3)

Conductor size

Single run	1/0 - 500 kcmil
Parallel runs	1/0 - 250 kcmil

Head Office – Canada
 Thomas & Betts Limited
 700 Thomas Avenue
 Saint-Jean-sur-Richelieu, Quebec
 J2X 2M9

Tel.: (450) 347-5318
 Fax: (450) 347-1976

Sales

- **Atlantic Provinces**
 Tel.: (902) 450-1307
 Toll Free: 1-877-862-4357
 Fax: (902) 450-1309
- **Quebec**
 Tel.: (450) 466-1102
 Toll Free: 1-800-465-1399
 Fax: (450) 466-1163
- **Ontario**
 Tel.: (905) 635-7888
 Toll Free: 1-877-291-7771
 Fax: (905) 635-7889
- **Manitoba/Saskatchewan**
 Tel.: (604) 598-9811
 Toll Free: 1-866-540-8220
 Fax: (604) 598-9840
- **Alberta**
 Tel.: (780) 424-7092
 Toll Free: 1-888-664-5666
 Fax: (780) 424-7093
 Toll Free: 1-866-424-4082
- **British Columbia**
 Tel.: (604) 598-9811
 Toll Free: 1-866-540-8220
 Fax: (604) 598-9840

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