

Meter Base Identification

General

The document shows what meter bases meet, and do not meet, Idaho Power's standards. All meter bases must be approved by Idaho Power.

Additional Customer Requirements

For other related requirements see the specific Customer Requirements for Service document(s) that pertain to the appropriate project/installation.

Visit Idaho Power's website for specific information about Customer Requirements for Service at www.idahopower.com.

Contact numbers for Idaho Power are:

In the Boise area: 388-2323
All other areas: 800-488-6151

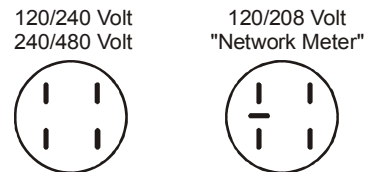
Connection Requirements

NOTE. Prior to Idaho Power connecting a service, all meter installations must meet current electrical code requirements and display the proper electrical permit.

Standard Service Voltages

Single Phase (1-Ø) 120/240 volts
240/480 volts
120/208 volts ("network")

NOTE. Use the correct meter base for 1-Ø, 120/208 volt "Network" applications.



**1-Ø Self-contained Meter
Lug Arrangements**

Three Phase (3-Ø)



**3-Ø Self-contained Meter
Lug Arrangements**

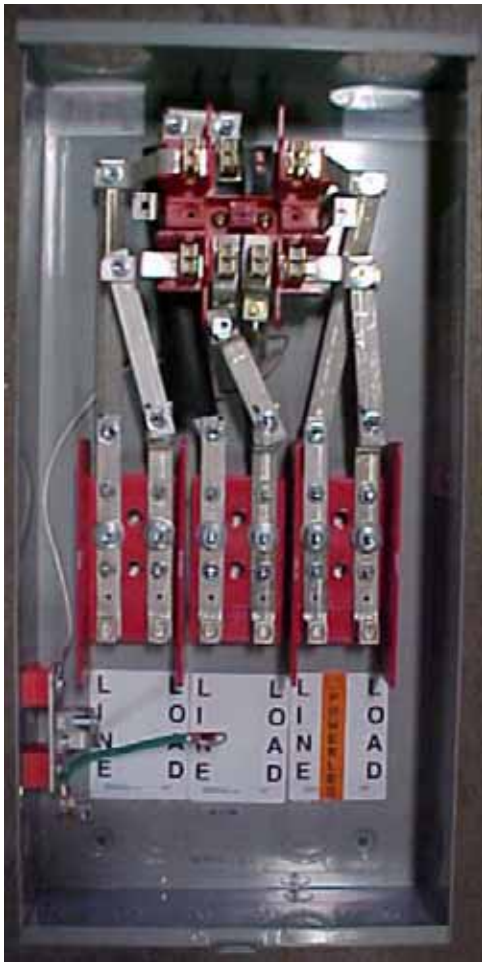
NOTE. 3-Ø, 120/240 and 240/480 volt services are for maintenance only and are not available for new construction, except for some small applications that must be approved in advance by Idaho Power.

Meter Base Guidelines

Accepted Meter Bases

3-Ø 100 or 200 Amp 480 Volt Meter Base. EUSERC-approved with “Safety Socket Test Bypass” meter bases are required on all newly installed 480 volt services up to 200 amps. The dimensions of the base and conductor/wire range in the 100A and 200A are the only physical differences between the two.

Any 277/480 volt services, above 200 amp, will be metered with instrument (CT) transformers.



No. of Term.	Type of Service	Connectors CU/AL Line & Load	Dimensions		
			D"	W"	H"
100 Amp					
7	OH/UG	#6-1/0	4-5/8"	12"	25"
200 Amp					
7	OH/UG	#1/0-250 MCM	6"	14"	30"

3-Ø 100 or 200 Amp 208 Volt Meter Base. EUSERC-approved with or without “Safety Socket Test Bypass” meter bases are accepted on all newly installed 208 volt services up to 200 amps.

Any 120/208 volt services, above 200 amp, will be metered with instrument (CT) transformers.



NOTE.

- ◆ “Safety Socket Test Bypass” are the only link bypass meter bases approved.
- ◆ Lever bypass meter bases are not approved.
- ◆ Locking jaw non-bypass meter bases are approved for applications that do not require a “Safety Socket Test bypass” meter base. (See above).
- ◆ 400 amp bypass meter bases are not approved.
- ◆ 400 amp meter base installations must seal with one meter seal. Some ring type bases will require a cover interlock device before they are approved for installation. Check with the manufacturer before purchase.
- ◆ “Safety Socket Test Bypass” meter bases are approved for 200 amp services where voltage is less than 480 volts, but they are not required.

Meter Base Guidelines

1-Ø 320 Amp, 120/240 Volt Meter Base with 2-200 Amp Breakers. Locking jaw non-bypass meter bases are approved for applications that do not require a “Safety Socket Test bypass” meter base.

Any 120/240 volt services, above 400 amp, will be metered with instrument (CT) transformers.



1-Ø, 100 or 200 Amp 480 Volt Meter Base. EUSERC-approved with “Safety Socket Test Bypass” meter bases are required on all newly installed 480 volt services up to 200 amps.

Any 480 volt services, above 200 amp, will be metered with instrument (CT) transformers.

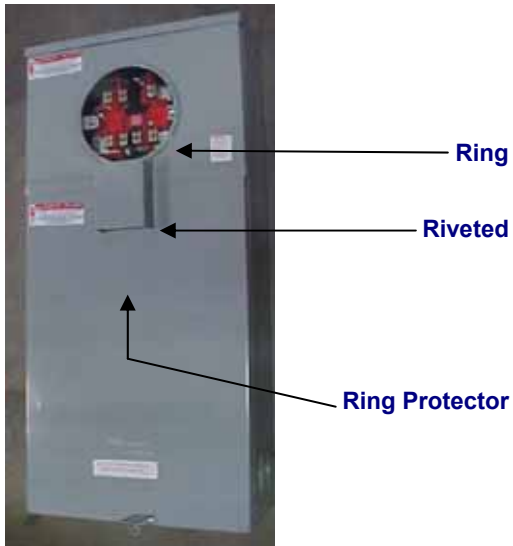
No. of Term.	Type of Service	Connectors CU/AL Line & Load	Dimensions approx. D" W" H"
320 Amp			
4	OH/UG	#1/0-250 MCM	5" 15" 42-1/2"

Meter Base Guidelines

Meter Base Enclosures

These meter bases must have an interlocking device, a screw-type meter ring, and be capable of being sealed by Idaho Power.

All **3-Ø 100 or 200 Amp 480 Volt** “Safety Socket Test Bypass” meter bases must seal with one meter seal. Some ring type bases will require a cover interlock device before they are approved for installation. **Check with the manufacturer before purchase.**



All **3-Ø 100 or 200 Amp 120/208 Volt** meter bases must seal with one meter seal. Some ring type bases will require a cover interlock device before they are approved for installation. **Check with the manufacturer before purchase.**



All **1-Ø 320 Amp, 120/240 Volt** meter bases must seal with one meter seal. Some ring type bases will require a cover interlock device before they are approved for installation. **Check with the manufacturer before purchase.**



NOTE. Any other configurations not mentioned in this document shall be addressed by your local Idaho Power Meter Department.

Photos are of Milbank products but are not exclusive as long as specified criteria is met as stated in this document.

A special thanks to Roger at Graybar, Mike at Interstate Electric Supply of Boise, Idaho, and Milbank Manufacturing Company for letting us use their products in this document.