



Meter Socket Specifications - 200A or less.

General Requirements

- All meter sockets shall have independent test laboratory listing agency label certifying to ANSI/UL414, ANSI C12.7, NEMA 250, NEMA Publication No. EL-17, and NFPA 70 NEC).
- All meter sockets shall be ringless and individual covers must have a hasp provision for the JBP meter seal.
- All meter socket enclosures shall be outdoor NEMA 3R rated and withstand the ambient and environmental conditions where located. Meter facilities shall be protected from dust, moisture, corrosion, etc. (Some extreme conditions may require a minimum NEMA 4X rated enclosure.)
- Overhead types shall have hub opening at top for top entry in meter socket or central wiring space of ganged sockets.
- All meter sockets shall have adequate continuous duty and short circuit withstand ratings applicable for the service connection.
- Jaw assembly shall permit use of "Mylar plastic disconnect sleeves" being applied over the blades of the watt-hour meter without cutting or mutilation of the insulator material.
- All meter socket jaw assemblies shall be compatible with Class 200 rated watt-hourmeters.
- Neutral position shall be bonded to the meter socket enclosure.
- Bolted or lay-in type terminals and terminal blocks shall have Allen or hex head terminal screws rated for 150 inch-pounds (17 Newton-meters) tightening torque minimum.
- Underground (bottom entry) types and central wiring space of ganged types shall have 3/8 inch (10mm) diameter stud terminals capable of pulling tensions up to 400 lbs. (1.78 kN) force. The Customer shall install crimp type or approved spring-type compression connectors. Mechanical (bolted) connectors are not acceptable. Parallel conductors (2 maximum) attached to stud terminals shall be terminated with stackable crimp type compression connectors (or spacers approved for the purpose). Completed connection requires two threads of the stud exposed.
- Connection temperature rating is preferred at 90 degrees C and insulation material to be rated 600V and arc track resistant.
- The meter socket meets the wire bending requirements within the enclosure and at terminations according to the NEC.
- All single phase meter sockets 4 terminal (Form 2S) and 5 Terminal (Form 12S) shall have horn bypass.
- For 5 terminal, Form 12S, service installations, the 5th terminal shall be installed in the 9:00 position.
- All 3 phase sockets shall be rated for 200A. All three phase 7 terminal (Form 16S) sockets shall have a manual, single handle bypass lever.
- All multi-position sockets shall be rated for 200A continuous.
- Any multi-position installation with greater than 200A total main breaker capacity shall have a main disconnect installed ahead of the meter bank.
- 480V 200A services shall have a disconnect installed before the meter to allow for cold sequencing of the meter.
- Any apartment or condominium style meter bank installation must be preapproved by JBPU engineering.