AES Ohio Approved Meter Sockets
Listed by Manufacture and Catalog Number

AES-Ohio requires that all meter meet the following 5 requirements

1. Must meet and be approved by UL,
2. Must be ringless style,
3. Must have a means of By-pass,
    a. Residential – Must have by-pass horns or lever
    b. Commercial – Must have a by-pass lever
4. Must be used for the application it is designed for, sockets can't not be modified
5. Must not exceed the amperage rating of the socket

100-AMP, **RESIDENTIAL & COMMERICAL** OVERHEAD SINGLE-PHASE SOCKET

Milbank	# U7487-RL-TG-KK
Durham	# UHT-RS101B
Landis & Gyr	# UAT111-OPQG
	# UAT111-OPGP
Siemens	# SUAT111-OPQG
	# SUAT111-OPGP
Cutler Hammer	# UHT-RS101BE
Square D	# UHT-RS101B-SQD
Midwest	# UHT-RS101B-MEP

200-AMP, **RESIDENTIAL** OVERHEAD SINGLE-PHASE SOCKET

Milbank	# U7021-RL-TG-KK
	#U7040-XL-TG-KK use for OVHD or UG services
Durham	# UHT-RS203B
	# UHT-RS202B
Landis & Gyr	# UAT317-OPQG
	# UAT317-OPGP
Siemens	# SUAT317-OPQG
	# SUAT317-OPGP
	# WRS192CXJ
Cutler Hammer	# UHT-RS203BCH
	# UHT-RS202BCH
Square D	# UHT-RS203B-SQD
	# UHT-RS202B-SQD
Midwest	# UHT-RS203B-MEP
	# UHT-RS202B-MEP

200-AMP, **RESIDENTIAL** UNDERGROUND SINGLE-PHASE SOCKET

Milbank	# U1980-0-KK
Landis & Gyr	# UAS877-PPZA
	# UAS877-PPGP
Siemens	# SUAS877-PPZA
	# SUAS877-PPGP
Durham	# UHT-RS243A
Cutler Hammer	# UHT-RS243A-CH
Square D	# UHT-RS243A-SQD
Midwest	# UHT-RS243A-MEP

200-AMP, **RESIDENTIAL & COMMERICAL** SINGLE-PHASE SOCKET <u>WITH BY-PASS LEVER</u>

Milbank	# U9551-RRL
Durham	# UT-H5213B
Landis & Gyr	# HQU40405-025
	# HQU40405-02QG
Siemens	# SHQU40405-025
	# SHQU40405-02QG
Cutler Hammer	# UT-E5213B-CH
Square D	# UT-H5213B-SQD
Midwest	# UT-H5213B-MEP

NOTE: Single phase services greater than 400 amps will be metered using current transformers.

320-AMP, **RESIDENTIAL & COMMERICAL** OVERHEAD SINGLE- PHASE SOCKET <u>WITH BY-PASS LEVER</u> (1 HUB OPENING)

Milbank	# U1079-RRL-K3
Durham	# UT-H4300T
Square D	# UT-H4300T-SQD
Cutler Hammer	# UT-H4300T-CH
Midwest	# UT-H4300T-MEP

320-AMP, **RESIDENTIAL & COMMERICAL** UNDERGROUND SINGLE- PHASE SOCKET <u>WITH BY-PASS LEVER</u>

Milbank	# U-1129-0-K3L-K2L
	# U5794-X-400-CB to be used only on a 3-wire 480-volt service
Landis & Gyr	# HQ4SUT48504-92
Siemens	# SHQ4SUT48504-92
Durham	# UT-H433OU
	# UT-H4320-9A
	# UCH344N3T
Cutler Hammer	# UT-H4330UCH
	# UT-H4320-9A-CH
Square D	# UT-H433OU-SQD
	# UT-H4320-9A-SQD
Midwest	# UT-H433OU-MEP
	# UT-H4320-9A-MEP

NOTE: Single phase services greater than 400 amps will be metered using current transformers.

COMBINATION SOCKETS **RESIDENTIAL & COMMERICAL** (METER SOCKETS & BREAKER COMBINATIONS) <u>WITH BY-PASS LEVER</u>

Milbank	# U4835-X-2/200-BL
Cutler Hammer	# HPC40SHL
	# HP816P400BSL
Siemens	# MM0404L1400RLM
	# MM0202B1200RLX
Leviton	#2LO-LS820-BLD

COMBINATION SOCKETS **RESIDENTIAL**
(METER SOCKETS & BREAKER COMBINATIONS)

Square D	# RC816F100CH
	# RC816F125CH
	# RC816F150CH
	# RC816F200CH
	# RC2M200SH
Milbank	# U5098-XL-200S-KK
	# U5168-XTL-200-KK
	# U5844-PXL-100-KK
	# U5844-PXL-150-KK
	# U5844-PXL-200-KK
	# U5890-X-2/200-BL
	# U5891-X-2/200-MLK-BL

METER PEDESTAL COMMERICAL WITH BY-PASS LEVER
NOTE: THIS PEDESTAL IS INTENDED TO BE USED FOR SERVICES WHERE THERE IS NO BUILDING SUCH AS PARKING LOTS.

Milbank # CP3B5xxxxAGSP (x's are order specific)

MOBILE HOME PEDESTALS

NOTE: THESE PEDESTALS ARE APPROVED TO ONLY SERVE MOBILE HOMES
NOTE: these 3 pedestals must be hard tamped to ensure they remain secure and stable

Milbank	# U5136-0-100S with horn by-pass
	# U5136-0-200S with horn by-pass
	# U5701-0-200S with lever by-pass

STREET LIGHTING METER PEDESTAL
NOTE: pedestal must be hard tamped to ensure it remains secure and stable

Milbank	# U3358-O-KK

3-PHASE 3-WIRE & 3-PHASE 4-WIRE COMMERICAL METER SOCKETS

125-amp, 5 Terminal, 3-phase 3-wire 120/208 with Horn By-pass…OH/UG

Durham	# UGHT-RS101B
Cutler Hammer	# UGHT-RS101B-CH
Midwest Electric Products	# UGHT-RS101B-MEP
Square D	# UGHT-RS101B-SQD
Milbank	# U7487-RL-TG-KK with 5TH Terminal Kit/5T8K2

200-amp, 5 Terminal, 3-phase 3-wire *with lever by-pass* …OH/UG

Durham	# UT-H5213B or T
Cutler Hammer	# UT-E5213B -CH
Midwest Electric Products	# UT-H5213B or T-MEP
Square D	# UT-H5213B or T-SQD
Milbank	# U9551-RRL

200-amp, 7 Terminal, 3-phase 4-wire *with lever by-pass*…OH/UG

Durham	# UT-H7213B or T
Cutler Hammer	# UT-E7213B -CH
Midwest Electric Products	# UT-H7213B or T-MEP
Square D	# UT-H7213B or T-SQD
Milbank	# U9701-RRL #U5767-X-200-CB to be used only on 4-wire 480-volt service

NOTE: Three-phase services greater than 200 amps will be metered using current transformers.

Single-phase services transformer rated services (Metered using Current Transformers)
6-Terminal, transformer rated with <u>lever by-pass</u>

Milbank	# U4490-XL

Three-phase services transformer rated services (Metered using Current Transformers)
13-Terminal, transformer rated with <u>lever by-pass</u>
(for services with voltages of 120/208 and 120/240 only)

Durham	# 1004671
Cutler Hammer	# 1004671-CH
Midwest Electric Products	# 1004671-MEP
Square D	# 1004671-SQD
Milbank	# U4493-XL
Siemens	# 9804-8547

Three-phase services transformer rated services (Metered using Current Transformers)
13-Terminal, transformer rated with <u>test switch</u>
(for services with voltage of 277/480only)

Durham	# 1012160
Brooks	# 622-8085C13-1811

AES Ohio Requirements for

RESIDENTIAL METER CENTERS

These requirements are for Residential Meter Centers that will be used to supply single-phase electricity to a multi-tenant building through an AES Ohio electric meter.

1. The installation and construction of the meter center must comply with all applicable national, state, electric and building codes, as well as the local inspection authority.
2. Meter centers that serve each unit with a 200 amp or smaller service:
   a. Must have “by-pass horns” at the socket blocks so that the customer’s load can be “cut-through” while the meter is inspected or exchanged.
   b. Each position must have a “ringless style cover” with a latch style sealing facility.
   c. Each position must have a permanent tag identifying the unit that it serves. (See standard on page 9)
   d. The supply section must be separated from the meter section by a barrier. This section must be sealable.
   e. The top meter must not be any higher than 72 inches to the top of the meter from final grade.
   f. The bottom meter must not be any lower than 24 inches to the top of the meter from final grade.

AES Ohio Requirements for

RESIDENTIAL/COMMERCIAL SINGLE-PHASE CLASS 320 METER CENTERS AND COMMERCIAL SERVICES 200 THROUGH 400 AMPS

These requirements are for Residential/Commercial Meter Centers that will be used to supply single-phase electricity to a multi-tenant building through an AES Ohio electric meter.

1. The installation and construction of the meter center must comply with all applicable national, state, electric and building codes, as well as the local inspection authority.
2. Meter centers that serve each unit with a 400 amp or smaller service:
   a. Must have a “lever by-pass” at the socket so that the customer’s load can be “cut-through” while the meter is inspected or exchanged.
   b. Each position must have “ringless style cover” with a latch style sealing facility.
   c. Each position must have a permanent tag identifying the unit that it serves. (See standard on page 9)
   d. The supply section must be separated from the meter section by a barrier. This section must be sealable.
   e. The top meter must not be any higher than 72 inches to the top of the meter from final grade.
   f. The bottom meter must not be any lower than 24 inches to the top of the meter from final grade.

NOTE: Single-phase services greater than 400 amps will be metered using current transformers.

AES Ohio Requirements for

COMMERCIAL ***THREE-PHASE*** METER CENTERS

These requirements are for Commercial Meter Centers that will be used to supply three-phase, 120/208 or 120/240, 4-wire electricity to a multi-tenant building through an AES Ohio electric meter.

1. The installation and construction of the meter center must comply with all applicable national, state, electric and building codes, as well as the local inspection authority.
2. Meter centers that serve each unit with a 200 amp or smaller service*:*
   a. Must have a “lever by-pass” at the socket so that the customer’s load can be “cut-through” while the meter is inspected or exchanged.
   b. Each position must have “ringless style cover” with a latch style sealing facility.
   c. Each position must have a permanent tag identifying the unit that it serves. (See standard on page 9)
   d. The supply section must be separated from the meter section by a barrier. This section must be sealable.
   e. The top meter must not be any higher than 72 inches to the top of the meter from final grade.
   f. The bottom meter must not be any lower than 24 inches to the top of the meter from final grade.

NOTE: Three-phase services greater than 200 amps will be metered using current transformers.

NOTE: 480 VOLT “GANGED” METERING TO BE APPROVED BY THE ELECTRIC METER DEPARTMENT BEFORE INSTALLATON. TELEPHONE # 937-331-4549 or 937-331-4897

METER SOCKET LABELING STANDARD

When there is more than one-meter socket at the same location (strip mall, meter center, apartment complex, multi-unit home, etc.) meter sockets must be labelled with a permanent tag. AES Ohio accepts two different tags, examples shown below.

1. Durable plastic engraved with the unit name epoxied to the meter socket
2. Metal tag stamped with the unit name pop-riveted to the meter center

For meter centers where each unit's main disconnect is directly beside the meter, we prefer that the label be above the unit's main disconnect, as pictured above. Labels written on the socket with permanent marker or labelled with stickers are not acceptable as these labels will fade or peel away over time. Proper labelling is necessary to ensure utility service work is completed on the proper meter. New services that have not been properly labelled will not be energized. Existing services must be labelled to this standard as well or risk having service disconnected.