PSE&G Long Island
Meter Mounting Equipment
Milbank designs and manufactures electrical solutions that move and manage power for the residential, commercial, industrial, utility and transportation sectors. With more than 90 years of expertise in electrical engineering design and manufacturing, Milbank's portfolio includes metering equipment, enclosures and enclosed controls. Founded in 1927, Milbank is a family-owned, American manufacturer headquartered in Kansas City, Mo. For more information, please visit milbankworks.com.

**METERING**

As a market leader in electrical metering equipment, Milbank has set the standard for quality since 1927. Hundreds of configurations are available, including many sizes, knockout configurations, terminal configurations, bypass options, hubs, locks and connectors. Milbank has the socket you need with thousands of active products to meet your utility's requirements.

**ENCLOSURES**

Milbank's line of enclosures include commercial junction boxes, panel mount enclosures, transformer cabinets, wireway, and troughs. Built with high-quality craftsmanship and materials which meet or exceed industry standards, Milbank enclosures are made to protect controls and equipment from dust, dirt and other harmful elements found in a wide variety of environments based on various NEMA rating Milbank offers.

**ENCLOSED CONTROLS**

Milbank doesn't just build empty enclosures. We can deliver the entire package, complete with custom control equipment built to your exact specifications by our engineers. Milbank commercial pedestals are an attractive, secure, easy to install and cost-effective solution when underground remote site power distribution and control equipment is required, replacing unsightly and inefficient strut and backboard structures.

Please consult serving utility for their requirements prior to ordering or installing, as specifications and approvals vary by utility, and may require local electrical inspector approval. All installations must be installed by a licensed electrician and must comply with all national and local codes, laws and regulations. Milbank reserves the right to make changes in specifications and features shown without notice or obligation.
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Catalog Number Logic
How our product catalog numbers are derived

U2448-X-QG-5T9-K3-BLG-ARE

U: UL Listed
S: Non-UL Listed
UAP: UL, aluminum, painted

TG: Triplex ground
QG: Quadplex ground

5th terminal designation
5T6: installed at 6:00
5T9: installed at 9:00

Utility specific designation
BLG: Barrel lock / guard provision

Hub Openings & Closing Plates
- O: Blank top
- RL: Small hub opening
- R: Large hub opening
- XL: Small closing plate
- XT: (2) Large Closing plates
- X: Large closing plate
- RXL: Large hub opening adapted to small closing plate
- RRL: Large hub opening adapted to small hub opening
- PXL: Closing plate packed inside
- WL: 1” hub
- YL: 1¼” hub
- ZL: 1½” hub
- DL: 2” hub
- EL: 2½” hub
- F: 3” hub
- G: 3½” hub
- H: 4” hub

U7040-RL-TG-KK-5T9-BL-AUT

Milbank drawing number

TG: Triplex ground
QG: Quadplex ground

5th terminal designation
5T6: installed at 6:00
5T9: installed at 9:00

Utility specific designation
KK: Horn bypass
BL: Barrel lock

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Air Conditioner Disconnects
30-60 Amps | Fusible & Non-Fusible

Milbank’s air conditioner disconnect has a removable hinged cover for ease of installation. Our compact design meets NEC wiring space requirements and also complies with NEC article 440-14. For safe working conditions, our disconnect pullers may be removed and reinstalled in the OFF position. Additionally, padlock provisions are included on the front cover. As with other Milbank products, our enclosure is constructed of G90U galvanized steel and electrostatically finished with an attractive, light gray, baked powder coating. Our epoxy/polyester resin blend offers a finish that is both durable and fade-resistant.

### 30–60 Amps | 1Ø 240 VAC | Air Conditioner Disconnects

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Amps</th>
<th>Type</th>
<th>Max H.P</th>
<th>Weight (lbs.)</th>
<th>Line/Load Wire Range</th>
<th>Ground Wire Range CU/AL</th>
<th>Dimensions</th>
<th>Wire Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>U3802</td>
<td>60</td>
<td>Non-Fusible</td>
<td>10</td>
<td>3.25</td>
<td>#14-#2</td>
<td>#14-4</td>
<td>2½ 5</td>
<td>60°/75° 60°/75°</td>
</tr>
<tr>
<td>U3812</td>
<td>60</td>
<td>Non-Auto</td>
<td>10</td>
<td>3.25</td>
<td>#14-#2</td>
<td>#14-4</td>
<td>2¼ 5½ 7½</td>
<td>60°/75° 60°/75°</td>
</tr>
<tr>
<td>U3832</td>
<td>30</td>
<td>Fusible</td>
<td>3</td>
<td>2.5</td>
<td>#14-#3</td>
<td>#14-3</td>
<td>2¼ 5 7</td>
<td>60°/75° 60°/75°</td>
</tr>
<tr>
<td>U3862</td>
<td>60</td>
<td>Fusible</td>
<td>10</td>
<td>3.3</td>
<td>#14-#3</td>
<td>#14-3</td>
<td>2¼ 5 9</td>
<td>60°/75° 60°/75°</td>
</tr>
</tbody>
</table>

**Notes**
- UL listed as Enclosed Pullout Switch
- Type 3R
- Weather resistant
- One-inch concentric knockouts

Please consult serving utility for their requirements prior to ordering or installing, as specifications and approvals vary by utility, and may require local electrical inspector approval. All installations must be installed by a licensed electrician and must comply with all national and local codes, laws and regulations. Milbank reserves the right to make changes in specifications and features shown without notice or obligation.
Single Position Sockets
200 Amps | 5 & 7 Terminal | Ringless | 600 VAC

200 Amps | 5 Terminal | Ringless | 1Ø3W | Lever Bypass

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Amps</th>
<th>Hub</th>
<th>Service</th>
<th>Connectors Line</th>
<th>Load</th>
<th>Bypass</th>
<th>Dimensions D&quot;</th>
<th>W&quot;</th>
<th>H&quot;</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>U3042-XL-QG-BLG-LIS</td>
<td>200</td>
<td>C.P.</td>
<td>OH/UG</td>
<td>#6-350 kcmil</td>
<td></td>
<td>Lever</td>
<td>4½</td>
<td>13</td>
<td>19</td>
<td>3</td>
<td>2½</td>
<td>3</td>
<td>3</td>
<td>¼</td>
<td>¼</td>
</tr>
</tbody>
</table>

Notes
- **Hubs**: For proper hub selection see the hub suffix chart on the accessory page.
- **Bypass**: Lever on the U3042 supplies clamping action on meter spades and also operates bypass device.
- **Insulated neutral**: For field installed insulated neutral order as extra catalog number K1047.
- **Barrel lock (-BLG)**: Has provision for barrel lock with guard.

200 Amps | 7 Terminal | Ringless | 3Ø4W | Lever Bypass

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Amps</th>
<th>Hub</th>
<th>Service</th>
<th>Connectors Line</th>
<th>Load</th>
<th>Bypass</th>
<th>Dimensions D&quot;</th>
<th>W&quot;</th>
<th>H&quot;</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>U1854-XL-QG-BLG-LIS</td>
<td>200</td>
<td>C.P.</td>
<td>OH/UG</td>
<td>#6-350 kcmil</td>
<td></td>
<td>Lever</td>
<td>4½</td>
<td>13</td>
<td>19</td>
<td>3</td>
<td>2½</td>
<td>3</td>
<td>3</td>
<td>¼</td>
<td>¼</td>
</tr>
</tbody>
</table>

Notes
- **Hubs**: For proper hub selection see the hub suffix chart on the accessory page.
- **Bypass**: Lever supplies clamping action on meter spades and also operates bypass device.
- **Insulated neutral**: For field installed insulated neutral order as extra catalog number K1047.
- **Barrel lock (-BLG)**: Has provision for barrel lock with guard.
## Single Position Sockets

**320 Amps | 5 Terminal | Ringless | 600 VAC**

![Image of Single Position Sockets](image-url)

### 320 Amps | 5 Terminal | Ringless | 1Ø3W | Lever Bypass

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Service</th>
<th>Hub</th>
<th>Connectors</th>
<th>Bypass</th>
<th>Dimensions</th>
<th>Knockouts</th>
</tr>
</thead>
<tbody>
<tr>
<td>U5073-X-K3L-K2L-LIS</td>
<td>OH/UG</td>
<td>C.P.</td>
<td>#4-600 or (2) 1/0-250</td>
<td>Lever</td>
<td>4 ¼</td>
<td>15</td>
</tr>
</tbody>
</table>

### Notes

- **Bypass**: The lever supplies the clamping action and also operates the bypass device.
- **UL listed**: Based on parallel 250 kcmil connectors maximum.

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## Single Position Sockets

### 100-200 Amps | 5 & 7 Terminal | Ringless | Lever Bypass

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Amps</th>
<th>Term.</th>
<th>Hub</th>
<th>Service</th>
<th>Connectors</th>
<th>Bypass</th>
<th>Dimensions</th>
<th>Knockouts</th>
</tr>
</thead>
<tbody>
<tr>
<td>U3986-XL-100-LIS</td>
<td>100</td>
<td>5</td>
<td>C.P.</td>
<td>OH/UG</td>
<td>#6-350 kcmil</td>
<td>#3-1 CU</td>
<td>4¾ 13 34 2¾ 2½ 3 ¾½ ¾½</td>
<td></td>
</tr>
<tr>
<td>U3986-XL-150-LIS</td>
<td>150</td>
<td>5</td>
<td>C.P.</td>
<td>OH/UG</td>
<td>#6-350 kcmil</td>
<td>1/0-300 CU</td>
<td>4¾ 13 34 2½ 2½ 3 ¾½ ¾½</td>
<td></td>
</tr>
<tr>
<td>U3986-XL-200-LIS</td>
<td>200</td>
<td>5</td>
<td>C.P.</td>
<td>OH/UG</td>
<td>#6-350 kcmil</td>
<td>1/0-300 CU</td>
<td>4¾ 13 34 2½ 2½ 3 ¾½ ¾½</td>
<td></td>
</tr>
</tbody>
</table>

### 200 Amps | With Main Breaker | Ringless | Lever Bypass

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Amps</th>
<th>Term.</th>
<th>Hub</th>
<th>Service</th>
<th>Connectors</th>
<th>Bypass</th>
<th>Dimensions</th>
<th>Knockouts</th>
</tr>
</thead>
<tbody>
<tr>
<td>U5080-RXL-200-LIS</td>
<td>200</td>
<td>7</td>
<td>C.P.</td>
<td>OH/UG</td>
<td>#6-350 kcmil</td>
<td>1/0-300 CU</td>
<td>4¾ 13 34 2½ 2½ 3 ¾½ ¾½</td>
<td></td>
</tr>
</tbody>
</table>

## Notes

- **Hubs**: Units are supplied with two closing plates as standard. To order hubs as extra, refer to the hub chart on the accessory page.
- **Lever bypass**: Lever supplies clamping action on meter spades and also operates bypass device.
- **Connectors**: Line wire sections are supplied with #6-350 kcmil lay-in connectors.
- **Breaker**: U3986 has factory installed double pole Milbank UQFB-100-X1, UQFB-150-X1 or UQFB-200-X1 main breaker. U5080 has factory installed 3 pole Milbank UQFB-3200 main breaker.
## Single Position Sockets

### 320 Amps | 4 Terminal | Ringless

![U5059-X-2/150-K3L-LIS](image)

### Catalog Number

<table>
<thead>
<tr>
<th>Amps</th>
<th>Term.</th>
<th>Hub</th>
<th>Service</th>
<th>Connectors</th>
<th>Bypass</th>
<th>Dimensions</th>
<th>Knockouts</th>
</tr>
</thead>
<tbody>
<tr>
<td>320</td>
<td>4</td>
<td>C.P.</td>
<td>UG</td>
<td>#4-600</td>
<td>Lever</td>
<td>4½ x 15 x 42</td>
<td>3 ¾ ¾ ½</td>
</tr>
</tbody>
</table>

### Notes

- **Hubs**: Units are supplied with two closing plates as standard. To order hubs as extra, refer to the hub chart on the accessory page.
- **Lever bypass**: Lever supplies clamping action on meter spades and also operates bypass device.
- **Side Wireway**
### Multi-Position Sockets

**100/200 Amps | 5 Terminal | Ringless | 600 VAC**

![Multi-Position Sockets Image](4142_xt_lis)

#### Catalog Number | 100/200 Amps Per Position | 5 Terminal | Residential/Commercial
--- | --- | --- | ---
U4142-XT-LIS | 100/200 | 2 | C.P. OH/UG | 3/8 x 16” Studs | #6-350 kcmil | Lever | 6 | 32½" | 25½" | 4 | 2½" | 2½" | 2½" | ½" | ½"
U4143-XT-LIS | 100/200 | 3 | C.P. OH/UG | 3/8 x 16” Studs | #6-350 kcmil | Lever | 6 | 42½" | 25½" | 4 | 2½" | 2½" | 2½" | ½" | ½"
U4144-XT-LIS | 100/200 | 4 | C.P. OH/UG | 3/8 x 16” Studs | #6-350 kcmil | Lever | 6 | 52½" | 25½" | 4 | 2½" | 2½" | 2½" | ½" | ½"

**Notes**

- **Hubs:** Units are supplied with two closing plates as standard. To order hubs as extra refer to the hub chart on the accessory page.
- **Lever bypass:** Lever supplies clamping action on meter spades and also operates bypass device.
- **Connectors:** Line wire sections are supplied with 3/8” – 16” hex head nuts with Belleville washers. For single lug connector kits, order as extra: **K1539** (350 kcmil) or **K1540** (600 kcmil). For twin lug connectors: **K1350** (350 kcmil) or **K1541** (600 kcmil).
# Meter Mains

**200 Amps | 5 Terminal | Ringless**

![U4304-X-LIS](image)

## 200 Amps | 5 Terminal | Ringless | Lever Bypass | Condo Meter Main | 1Ø3W

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Bypass</th>
<th>Hub</th>
<th>Connectors</th>
<th>Dimensions</th>
<th>Knockouts</th>
</tr>
</thead>
<tbody>
<tr>
<td>U4302-X-LIS*</td>
<td>Lever</td>
<td>C.P.</td>
<td>3/8&quot;-16 Stud Breaker</td>
<td>6</td>
<td>27 48</td>
</tr>
<tr>
<td>U4303-X-LIS*</td>
<td>Lever</td>
<td>C.P.</td>
<td>3/8&quot;-16 Stud Breaker</td>
<td>6</td>
<td>27 48</td>
</tr>
<tr>
<td>U4304-X-LIS</td>
<td>Lever</td>
<td>C.P.</td>
<td>3/8&quot;-16 Stud Breaker</td>
<td>6</td>
<td>45 60</td>
</tr>
<tr>
<td>U4305-X-LIS</td>
<td>Lever</td>
<td>C.P.</td>
<td>3/8&quot;-16 Stud Breaker</td>
<td>6</td>
<td>45 60</td>
</tr>
<tr>
<td>U4306-X-LIS</td>
<td>Lever</td>
<td>C.P.</td>
<td>3/8&quot;-16 Stud Breaker</td>
<td>6</td>
<td>45 60</td>
</tr>
</tbody>
</table>

### Notes

- **Hubs:** Units are supplied with 2 closing plates as standard. To order hubs as extra refer to the hub chart on the accessory page.
- **Connectors:** Line wire sections are supplied with 3/8" - 16 hex head nuts with Belleville washers. For single lug connector kits, order as extra: **K1539** (350 kcmil) or **K1540** (600 kcmil). For twin lug connectors: **K1350** (350 kcmil) or **K1541** (600 kcmil).
- **Lever bypass:** Lever supplies clamping action on meter spades and also operates bypass device.
- **Replacement locking pin:** For replacement locking pin order part number **Z816559-SC** (1 pin).
- **Breakers:** Units have provision for (1) double pole main per meter position. **Breakers NOT included** – order as extra. See chart below.

*3 and 4 position condominium meter main has additional 3” knockout (bottom left section).

## Plug-In Breaker Compatibility Chart

<table>
<thead>
<tr>
<th>Amps</th>
<th>Milbank</th>
<th>Cutler-Hammer (Westinghouse/ Bryant)</th>
<th>Siemens (ITE)</th>
<th>Siemens Murray/ Crouse-Hinds</th>
<th>G.E.</th>
<th>SQ-D</th>
</tr>
</thead>
<tbody>
<tr>
<td>125-200</td>
<td>Q</td>
<td>BR / BJ / HQP</td>
<td>–</td>
<td>MD</td>
<td>Q Line</td>
<td>–</td>
</tr>
<tr>
<td>≤ 100</td>
<td>Q</td>
<td>QUICKLAG P / BR / HQP</td>
<td>QP</td>
<td>MP</td>
<td>Q Line</td>
<td>Homeline</td>
</tr>
</tbody>
</table>

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# Transformer Rated

## 200/400/800 Amps | Trans-S Cabinets

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### 200/400/800 Amps | Metered | OH/UG | No Lever Bypass | 1Ø3W or 3Ø4W | 600 VAC

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Term</th>
<th>Phase</th>
<th>Hub</th>
<th>Amps</th>
<th>Connectors</th>
<th>Dimensions</th>
<th>Knockouts</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Line Load</td>
<td>D&quot; W&quot; H&quot;</td>
<td>1</td>
</tr>
<tr>
<td>U4554-X-Z21-LI</td>
<td>6</td>
<td>1Ø</td>
<td>C.P.</td>
<td>200/400</td>
<td>(2) #4-600 kcmil or (4) 1/0-250 kcmil</td>
<td>10</td>
<td>21</td>
</tr>
<tr>
<td>U4166-XT-Z21-LI</td>
<td>6</td>
<td>1Ø</td>
<td>C.P.</td>
<td>400/800</td>
<td>(2) #4-600 kcmil or (4) 1/0-250 kcmil</td>
<td>10</td>
<td>26</td>
</tr>
<tr>
<td>U4523-X-Z11-LI</td>
<td>13</td>
<td>3Ø</td>
<td>C.P.</td>
<td>200/400</td>
<td>(2) #4-600 kcmil or (4) 1/0-250 kcmil</td>
<td>10</td>
<td>21</td>
</tr>
<tr>
<td>U4163-XT-11-LI</td>
<td>13</td>
<td>3Ø</td>
<td>C.P.</td>
<td>400/800</td>
<td>(2) #4-600 kcmil or (4) 1/0-250 kcmil</td>
<td>10</td>
<td>26</td>
</tr>
</tbody>
</table>

### Notes

* This is a 3/8" hole with plastic plug, not a concentric knockout.

- **Connectors**: Order K1351 kit for converting connectors in U4554 and U4523 to twin 350 kcmil. Kit contains one bus and connector assembly, order necessary quantity for equipment to be used in. U4554 requires 4 and U4523 requires 6.
- **Lugs provided**: rated up to single 600 kcmil - #4 awg.
- **Short circuit current**: Short circuit current withstand capability is 50K symmetrical amps.
- **CT mounting**: Furnished with 1/2" - 13 studs, washers and hex nuts with conical sems for CT mounting.

### 200/400 | Metered | Trans-S Cabinet | 1Ø3W or 3Ø4W | 600 VAC

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Term</th>
<th>Phase</th>
<th>Hub</th>
<th>Service</th>
<th>Amps</th>
<th>Connectors</th>
<th>By-pass</th>
<th>Dimensions</th>
<th>Knockouts</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Line Load</td>
<td>By-pass</td>
<td>D&quot; W&quot; H&quot;</td>
<td>1</td>
</tr>
<tr>
<td>U4554-X-Z21-K6SP-LI</td>
<td>6</td>
<td>1Ø</td>
<td>C.P.</td>
<td>OH/UG</td>
<td>200/400</td>
<td>(2) #6-350 or (2) #6-350</td>
<td>None</td>
<td>10</td>
<td>21</td>
</tr>
<tr>
<td>U4523-X-Z11-K6SP-LI</td>
<td>13</td>
<td>3Ø</td>
<td>C.P.</td>
<td>OH/UG</td>
<td>200/400</td>
<td>(2) #6-350 or (2) #6-350</td>
<td>None</td>
<td>10</td>
<td>21</td>
</tr>
</tbody>
</table>

### Notes

* This is a 3/8" hole with plastic plug, not a concentric knockout.
### Transformer Rated

**20 Amps | CT Rated Socket**

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#### 20 Amps | 1 Piece Cover | Remote Sockets | Ringless | 1Ø–3Ø*

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Phase</th>
<th>Term</th>
<th>Hub</th>
<th>Service</th>
<th>Connectors CU/AL</th>
<th>Bypass</th>
<th>Dimensions</th>
<th>Knockouts</th>
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<td>#14-#2 MAX</td>
<td>None</td>
<td>4 3/4</td>
<td>12</td>
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* These units are prewired per LIPA specifications.

---

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Enclosed Controls

Attractive | Easy to Install | Secure | Cost-Effective

Milbank Enclosed Controls are pad-mounted, weather resistant electrical enclosures consisting of a utility pull section with optional meter socket, and a customer section containing distribution and control equipment. Commercial pedestals are an attractive, secure, easy to install and cost-effective solution when underground remote site power distribution and control equipment is required, replacing unsightly and inefficient strut and backboard structures.

UL Listed as Industrial Control Equipment (File E113855)

Standard Features

- Type 3R rain-resistant, vandal-resistant cabinet of polyurethane powder coated steel (aluminum or stainless steel also available)
- UL listed as enclosed industrial control equipment (UL508A)
- Isolated lockable and sealable utility metering and lug landing sections
- Lockable customer section for distribution and control equipment with internal deadfront
- Print pocket inside customer section door contains wiring schematics and installation instructions
- Load centers are UL listed for use with various manufacturers’ circuit breakers
- All stainless steel external hardware (screws, bolts, hinges, handles, hasps and sealing screws)

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Enclosed Controls
Attractive | Easy to Install | Secure | Cost-Effective

Applications

These units are ideal for controlling and metering:
- Traffic signals
- Street lighting
- Power distribution for electronic vehicle charging stations
- Communication equipment such as cell towers and telephone vaults
- Event power for fairgrounds, swap meets, outdoor markets, portable offices, holiday lights, etc.
- Outdoor lighting for athletic fields, tennis and basketball courts, parking lots, landscaping and subdivision entrances, etc.

Available Factory-Installed Options

- Meter sockets: ring type or ringless, up to 400 Amps
- Main and branch breakers or T fuses
- Distribution: copper load centers and panel boards
- Clocks, timers and relays
- Photoelectric cells and controls
- Various power receptacles: pin and sleeve, twist lock or straight blade
- Contactors: lighting, definite purpose, motor starters
- Surge protection and lightning arrestors
- Generator inlets with interlocked breakers
- Push button controls
- Thermostat controls, fans and heating strips
- Power blocks and terminal blocks
- Steel, aluminum and plywood backboards
- Transformers
- Interlock devices for circuit breakers

Options

- Available in steel, aluminum (raw painted or anodized) or stainless steel construction with powder coated finish available in eight standard colors or special-ordered RAL colors
- Available for applications up to 400 Amps, 120V, 208V, 240V, 277V, 480V - 1Ø or 3Ø

Accessories

Padmount bases available for all pedestal sizes, inquire with your representative for details

- CP-ABK5/8
  Anchor bolt kit
  Includes four 5⁄8 - 13 x 18" anchor bolts

- 105J
  Fifth terminal kit for use with ring type meter sockets

- K3865
  Fifth terminal kit for use with ringless meter sockets

- CP-TC7D
  7-day time clock kit

- CP-TC24H
  24-hour time clock kit

- CP-TCWIRE
  Male 4-pin connector and wiring harness for use with time clocks other than above

- CP-PE-HOA-3POS
  HOA switch for field installation

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Main Load Center Commercial Pedestal
1Ø3 wire 120/240V or 208Y/120V
Application: remote site service for multiple loads

Milbank Main Load Center Commercial Pedestals are designed to handle the vast majority of all requirements in a standard, stocked configuration.

- All units feature a load center with a plug-on, back-fed main breaker.
- Standard units are equipped with a 16 circuit load center in the 100 Amps or 24 circuit load center in 200 Amps models.
- Sub-feed lugs to allow feeding an external panel.

If your application requires turning loads on based on “dusk-to-dawn” requirements, be sure to see the Milbank Switched Load Center Commercial Pedestal products on the following page.

Features
These units include everything required for remote site service:

- Expandable: load centers allow for future expansion without costly modifications.
- All units feature a 200 Amps meter socket with optional field-installable fifth terminal kit available.
- 22K Amps interrupting capacity (AIC) standard.
- Optional mounting base can be embedded in concrete for fast, easy installation.
- Separate sealable and lockable utility termination section.
- Separate sealable and lockable metering section.
- Separate sealable and lockable customer section with a load center for “always on” loads that include a main circuit breaker, 20 (125 or 200 Amps model) or 14 (100 Amps model) blank breaker spaces and a circuit directory to document configuration.
Switched Load Center Commercial Pedestals

**1Ø3 wire 120/240V or 208Y/120V**

Designed not only to provide power for various loads, but also to switch specific loads on and off under certain conditions. A photoelectric cell is used for these controlled loads, and an optional time clock is also available.

**Features**

These units include everything required for remote site service:
- **Expandable**: load centers allow for future expansion without costly modifications.
- **All units feature a 200 Amps meter socket with optional field-installable fifth terminal kit available.**
- **22K Amps interrupting capacity (AIC) standard.**
- **Optional mounting base can be embedded in concrete for fast, easy installation.**
- **Separate sealable and lockable utility termination section.**
- **Separate sealable and lockable metering section.**
- **Separate sealable and lockable customer section with a control circuit including PE receptacle, Lexan® window, glare shield, Hand-Off-Auto (HOA) switch, contractor controlling a 16-circuit load center for controlled loads, a pre-mounted DIN rail and pre-wired connector to add an optional “plug-and-play” time clock kit for PE on and TC off operation and a circuit directory to document configuration.**
- **A load center for “always on” loads that includes a main circuit breaker, a control power circuit breaker, a switched load center main breaker, nine (125 or 200 Amps model) or 11 (100 Amps model) blank breaker spaces and a circuit directory to document configuration.**

Ringless Lever Bypass shown

Traffic Signals  
Parking Lots  
Highways  
Athletic Field Lighting
Enclosed Controls
400 Amps Commercial Pedestals

Designed to provide a weather and vandal resistant metered enclosure for various loads and distribution. Each pedestal has been designed to handle a wide range of applications using standard, stocked configurations.

- Choice of a single main breaker or twin service disconnect breakers gives flexibility to the pedestal design.
- Optional distribution with feed-through lugs below the service disconnect breakers allows the pedestal to handle numerous applications.
- Typical applications include remote homes where the metering is best located at the curb side or other remote area. The pedestal can also provide power to secondary residence, on-site business, workshop, irrigation, lighting, security or other secondary load.

Features

These units include everything required for remote service:

- Main circuit breaker or dual service disconnects
- Expandable: load center units allow for future expansion without costly modifications
- Optional mounting base can be embedded in concrete for fast, easy installation
- Separate sealable and lockable utility termination section with lug termination
- Separate sealable and lockable metering section
- A separate sealable and lockable customer section with a circuit directory and a print pocket to hold all documentation
- Meter socket options include ring type with bypass studs, ringless with heavy duty lever bypass, or K-Type bolt-on
Enclosed Controls
Surface-Mount Compact Design

Surface-Mount Commercial Pedestal
Originally developed for small cellular communications, the surface-mount enclosed control offers the flexibility of larger enclosed controls products with a smaller footprint and several mounting options.

Features
- Easy installation
- Overhead and underground entry and exit, all in one unit
- Meter and components in one enclosure
- UL508A & UL891
  - Custom component configurations
  - UL listing covers all internal components
- Can be mounted on multiple surfaces
  - Walls
  - Poles – narrow profile will have minimal extension past sides
  - H Frames (Strut)
- Multiple bypass options available
- Monitoring options available
- Can be powder coated in any Milbank standard EC colors or custom colors.

Benefits
- Does not take up sidewalk space
- Flood resistant
- Eliminates need for connecting components - Wire in - Wire Out

Applications
Communications Power Distribution
Lighting Control
Streetscape Power Distribution

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Enclosed Controls
Battery Backup Commercial Pedestals

Designed to provide battery backup power for various loads, and to switch specific loads on and off under certain conditions; a photoelectric cell or time clock to control lighting circuits, as an example. Metered and unmetered power distribution options are available. The back-up power pedestal is designed to handle the vast majority of today's back-up power requirements. By using a 19" rack design, shelves can be adjusted to accommodate the required batteries and manufactures DC to AC inverters, transfer switches and other related equipment. This design gives the user a wide range of design and configuration options. Complete turnkey, ready to power-up pedestals are offered along with basic units ready to accept batteries and inverters supplied by others.

Features

• 100 through 320 Amps meter socket with the option of either a ring type socket (conforms to EUSERC 308) with or without test/bypass blocks or a heavy duty ringless socket with lever bypass
• Separate sealable utility termination compartment
• An isolated separate customer section with service disconnects, power distribution options and power control
• 19" wide rack in customer compartment for easy layout of equipment
• Battery trays
• Thermostat with cooling fan
• Filtered louvers for heat rise flow through ventilation
• Three point door latch (key or pad lockable)

Note

• May require customization based on regional requirements

Options

• Manual bypass switch
• Transfer switch for generator power back-up
• Generator inlet receptacles 30 Amps through 200 Amps
• Pad lockable provision for receptacles
• Police access door
• Metered load center distribution
• Unmetered load center distribution
• Photo electric controls (for street lighting)
• Time clocks
• HOA switches
• Contactors
• GFCI duplex receptacles
• Thermostat for heating control
• Heating pads or elements
• Roll out shelves for batteries
• Surge arrestors and lighting arrestors
Enclosed Controls
Power Transfer Commercial Pedestals

Providing metered or unmetered AC power, distribution, surge suppression, mechanical interlock and stand-by generator receptacle — all in a neat, compact pedestal.

Features
- 120/240V 1Ø3W through 277/480V 3Ø4W ratings
- Metered or unmetered units
- Choice of EUSERC ring type or ringless meter sockets
- 60 Amps through 400 Amps ratings
- Pad lockable, isolated utility compartments
- 20 Amps GFCI convenience receptacle
- Lockable recessed generator receptacle door
- Utility and generator indicator light options
- All stainless steel hardware
- Galvanized steel, aluminum or stainless steel cabinet options
- Custom designs available

Note
- May require customization based on regional requirements
Enclosed Controls
CT Metered Commercial Pedestals

Designed to be used where a smaller service package would be a better choice over larger switchgear equipment, these pedestals have amperage ratings of 400 to 800 Amps at voltages up through 480 volt three phase.

Features

• Up to 800 Amps
• A low profile CT pedestal
• All utility equipment is isolated in separated pad lockable and sealable compartments
• Separate customer compartment designed to hold distribution and control equipment
• Dead front customer construction
• Optional mounting base
• Optional construction in steel, aluminum and stainless steel
• Wide choice of powder paint colors

Note

• May require customization based on regional requirements
Enclosed Controls
Slimline Commercial Pedestals

Provides a sleeker, smaller footprint, with wireway access on the side of the unit rather than the back, allowing maximum flexibility to place the pedestal anywhere physical space is at premium.

Providing unmetered AC power, distribution, surge suppression, mechanical interlock and stand-by generator receptacle — all in a neat, compact pedestal.

Features

- 100 or 200 Amps
- Vandal-resistant, secure and attractive design
- Customer compartment with distribution and control equipment with swing dead front door, secured with both a hasp/latch and draw latch outer door
- Utility metering compartment protected with a hinged hood, increasing resistance to meter vandalism
- Small footprint
- Wireway located on left side of pedestal for utility incoming wire, allowing pedestal to be mounted with back as close as 14” to walls or structures
- Available in 12” and 20” widths and 50” and 63” (metered) and 43” (unmetered) heights
- Includes a print pocket for plans and drawings
- Voltage range: 120V–480V
- Compatible with both ringless and ring type meter sockets, 4–7 terminals
- Available in a wide array of colors, including but not limited too all ANSI powder coated paint colors upon request
- Pedestal mounting base option saves time and labor to install on a cement pad—no anchor bolts required
- Powder coated G90 galvanized steel or Aluminum; raw, annodized or powder coated, as well as stainless steel exterior options

Note

- May require customization based on regional requirements

Direct bury pedestals offer many advantages. With no need to coordinate, buy or wait for concrete, installation time can be cut down to less than an hour. Traditional direct bury pedestals are awkward to transport and handle and can only be used in a direct bury application. Milbank’s modular design offers flexibility and convenience for distributors and contractors alike.

It’s constructed with 14 guage steel and only available for 12” pedestals.
Enclosed Controls

Power Distribution Pedestal for Electric Vehicle Charging

Milbank is a pioneer with **EV charging distribution pedestals**. With the increased emphasis on electrical vehicles and the need to build infrastructure to support these vehicles, Milbank has been there from the beginning. Ranging from small charging station installations to multi-unit fast-charge arrays, Milbank has the solution.

### Standard Features

- Metered and unmetered
- 200-800 Amps
- 120/208 volts or 120/240 volts or 277/480 volts
- Predesigned shells
- Predesigned interiors
- Separate sealable utility termination compartment

### Customizable Features

- Color
- Meter type/form
- Utility landing format
- 480v for fast charging applications
- Filtered louvers for heat rise flow through ventilation
- Interiors that will accept site-specified breaker quantities and sizes
- Multiple latching and locking options available

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NEMA Commercial Enclosures
Milbank Enclosures: We’ve Got It Covered!

NEMA Commercial Enclosures
Milbank’s line of commercial enclosures includes the full gamut of styles and sizes; everything from junction boxes to transformer cabinets, telephone cabinets to wireway.

Type 1 Enclosures
Milbank’s Type 1 enclosures are designed for indoor use to provide a degree of protection to personnel against access to hazardous parts and to provide a degree of protection of the equipment inside the enclosure against ingress of solid foreign objects, such as falling dirt.

Type 3R Enclosures
Milbank’s Type 3R enclosures are designed for either indoor or outdoor use to provide a degree of protection from harmful effects on the equipment due to the ingress of water (rain, sleet, snow) and that will be undamaged by the external formation of ice on the enclosure.

Wireway
Milbank’s wide range of wireway is available in many styles and sizes and its wide range of fittings allows it to smoothly transition to and from competitors’ products.
Watthour Meter Forms

Standard Forms | Transformer Rated or Self-Contained

TR = TRANSFORMER RATED
SC = SELF CONTAINED

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**Pre-wiring:** If standard factory pre-wiring is required, refer to wiring diagrams on this page. Determine appropriate diagram and send a copy with order. If custom factory pre-wiring is required, specify on order. Be sure to include meter socket catalog number, test switch make and catalog number, meter form number and provide a copy of your wiring diagram.
### Conduit, Ampacity & SCCR

**Reference Information**

#### Maximum Number of Conductors in Conduit

Table from 2008 NEC Code Reference: Rigid Metal Conduit

<table>
<thead>
<tr>
<th>Type</th>
<th>Conductor Size (AWG/kcmil)</th>
<th>Conduit Trade Sizes (Inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1⁄2</td>
<td>3⁄4</td>
</tr>
<tr>
<td>THHN, THWN, THWN-2</td>
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<td>9</td>
</tr>
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<td>XHH, XHHW, XHHW-2</td>
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<tr>
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This table is for concentric stranded conductors only. For cables with compact conductors refer to NEC. Refer to latest NEC Code or Local Codes for updated requirements.

#### Table from 2008 NEC Code Reference: Rigid Metal Conduit

**Conduit, Ampacity & SCCR Reference Information**

*A ALLOWABLE AMPACITIES OF INSULATED COPPER & ** ALUMINUM CONDUCTORS (3W IN CONDUIT) 75° C (167° F)*

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<th>A</th>
<th>B</th>
<th>AL = **CU-Clad AL</th>
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**AMPACITY CORRECTION FACTORS**

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**GANG SOCKET OVERALL AMPACITIES**

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† Unless otherwise permitted elsewhere in the Code, the overcurrent protection for conductor types marked with an obelisk (†) shall not exceed 15 amps for 14 AWG, 20 amps for 12 AWG, and 30 amps for 10 AWG copper; or 15 amps for 12 AWG and 25 amps for 10 AWG aluminum and copper-clad aluminum after any correction factors for ambient temperature and number of conductors have been applied.

# Some constructions are rated at 400 amps overall (1252). Contact your sales representative for more information. Refer to latest NEC Code or Local Codes for updated requirements.

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Energization of Electrical Equipment

Important Information for Installers

Important Note
In addition to national and local electrical codes, many utilities have specific requirements for metering equipment. Always consult the serving utility for their specifications and requirements prior to ordering or installing Milbank meter mounting equipment.

Before Energizing
1. Give equipment a thorough visual examination to determine that:
   A. No shipping or installation damage exists.
   B. Proper clearances have been maintained.
   C. All connections have been made.
   D. Equipment is clean and dry.
2. Make a thorough examination to:
   A. Verify tightness of all bolted connections (see table below).
   B. Manually operate all circuit breakers, switches, relays, etc.
   C. Check rigidity of all mountings, bus bars and components.
   D. Use test equipment to check continuity of circuitry and integrity of insulation.
3. All switches and circuit breakers should be in the “off” position.
4. Verify that manual meter bypass (if applicable) is in non-bypass position.
5. Install cover and/or close doors.
6. If installation is not being energized at this time, follow “after-energizing” steps listed below. These steps will secure the installation in case of accidental energization.

When Energizing
Use caution and follow established safety procedures:
1) Wear safety apparel.
2) Use safety equipment.
3) Take action to prevent injury to yourself and others in the event of failure of the installation.
4) Take action to prevent/decrease damage to property in the event of failure of the installation.
5) If you are unsure how to safely energize the installation, get someone who is knowledgeable to do it.

After Energizing
Secure the installation:
1) To prevent accidental contact with energized parts, cover all openings with approved filler devices.
2) To prevent unauthorized access, secure all covers and/or doors with approved security devices.
3) Attach/post information to advise others of potential hazards associated with the installation.

Recommended Torque for General Applications*

<table>
<thead>
<tr>
<th>Nominal Size</th>
<th>Joint Description</th>
<th>Head Type</th>
<th>Torque (Inch Lbs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>Brass</td>
<td>All</td>
<td>20-25 inch lbs.</td>
</tr>
<tr>
<td>10</td>
<td>Steel</td>
<td>All</td>
<td>25-30 inch lbs.</td>
</tr>
<tr>
<td>10</td>
<td>Steel Nut or Extruded Hole, CU or AL Busbar ≤ 1/8&quot;</td>
<td>All</td>
<td>30-35 inch lbs.</td>
</tr>
<tr>
<td>12</td>
<td>Steel</td>
<td>All</td>
<td>30-35 inch lbs.</td>
</tr>
<tr>
<td>12</td>
<td>Steel Nut or Extruded Hole</td>
<td>All</td>
<td>40-50 inch lbs.</td>
</tr>
<tr>
<td>1/4</td>
<td>Steel</td>
<td>All</td>
<td>40-50 inch lbs.</td>
</tr>
<tr>
<td>1/4</td>
<td>Steel Nut or Extruded Hole, CU or AL Busbar</td>
<td>All</td>
<td>50-60 inch lbs.</td>
</tr>
<tr>
<td>5/16</td>
<td>Steel</td>
<td>Hex</td>
<td>60-70 inch lbs.</td>
</tr>
<tr>
<td>5/16</td>
<td>Steel Nut or Extruded Hole, CU or AL Busbar</td>
<td>Hex</td>
<td>100-150 inch lbs.</td>
</tr>
<tr>
<td>3/8</td>
<td>Steel</td>
<td>Hex</td>
<td>150-200 inch lbs.</td>
</tr>
<tr>
<td>1/2</td>
<td>Steel Nut</td>
<td>Hex</td>
<td>200-250 inch lbs.</td>
</tr>
</tbody>
</table>

* Interior labels typically indicate the required torque for wire connectors and studs, and should be referenced first.

CU: Copper
AL: Aluminum

Please consult serving utility for their requirements prior to ordering or installing, as specifications and approvals vary by utility, and may require local electrical inspector approval. All installations must be installed by a licensed electrician and must comply with all national and local codes, laws and regulations. Milbank reserves the right to make changes in specifications and features shown without notice or obligation.
Materials & Finishes
Reference Information

Materials

Steel Quality
The meter equipment listed in this catalog is made of galvanized steel (AISI* G90) to afford the best possible weather proofing. *American Iron and Steel Institute.

Steel Sheet
16 gauge, galvanized, sheet: 1 1/4 oz./ sq.ft. class zinc-coated. (AISI G90)
14 gauge, galvanized, sheet: 1 1/4 oz./ sq.ft. class zinc-coated.

Aluminum Extrusion
Wire-Terminals: Alloy; 6061-T6, Tin-plated for CU/AL wire.
Bus Bar: Alloy; 6101-O & 6063-O

Aluminum Sheet
3000 series aluminum sheet, H14, or 5052 series aluminum sheet, H32. Where applicable thicknesses range from .064→.125

Copper Sheet & Bus
Electrolytic copper with tin plating in most applications.

Insulating Materials

- In most units, support bases for current-carrying components are molded from fiberglass reinforced high-strength, track resistant, thermostet polyester molding compounds.
- Clear or black safety shields and polarity barriers are molded from high-strength, track resistant, polycarbonate molding compounds.
- Various sheet insulating materials, as appropriate for the application are utilized in the fabrication of flat, formed and punched component parts and barriers.

Finish

Process
Light gray state-of-the-art electrostatically applied powder paint offers a durable, non-fading finish. For further information concerning the chemical analysis of the weather resistant finish, please contact the factory.

Metal Fasteners
Zinc-coated with a chromate dip.

Ratings & Compliance

Ratings & Compliance
All Milbank electrical enclosures in this catalog are rated “Type 3R Enclosure” unless specified otherwise on the product’s page. All enclosures with a UL designation are constructed per the appropriate UL Standard and may be installed per the National Electric Code. UL procedure files associated with the UL Standards are listed as follows: Meter Sockets (UL 414, File E30202), Test Switches (UL 414, File E62531), Power Outlets (UL 231, File E90945), Panelboards (UL 67, File E32628) and Pullout Switches (UL 1429, File E133062). Additional standards are utilized as applicable: Meter Sockets (ANSI C12.7), Test Switches (ANSI C12.9) and Panelboards (NEMA PB-1).

Please consult serving utility for their requirements prior to ordering or installing, as specifications and approvals vary by utility, and may require local electrical inspector approval. All installations must be installed by a licensed electrician and must comply with all national and local codes, laws and regulations. Milbank reserves the right to make changes in specifications and features shown without notice or obligation.
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