

**MILBANK**<sup>®</sup>  
ENERGY AT WORK



# DTE Energy Area Catalog

*and Consumers Energy Multi-Position Sockets*



# Milbank Overview

## Energy At Work since 1927

Milbank builds solutions that move power for the residential, commercial, industrial, utility and transportation sectors. Milbank combines more than 85 years of expertise in electrical engineering design and manufacturing with a commitment to develop and globally implement sustainable, integrated power solutions. Milbank's portfolio includes electric metering systems, PowerGen™ wind and solar solutions, and portable power. A third-generation, family-owned business, Milbank is headquartered in Kansas City, Mo. For more information, please visit [milbankworks.com](http://milbankworks.com).



### METERING

Milbank meter sockets have set the standard for quality since 1927. With a 99.97% quality performance, thousands of active products to meet your utility's requirements and tens of millions of sockets installed across the globe, our products help keep energy at work. And with 22 stocking locations across the U.S., and our OneSERT program to help during emergency situations, our meter sockets are ready to go, wherever the job may be.



### COMMERCIAL & INDUSTRIAL

When it comes to commercial and industrial products, Milbank has it covered! We offer a complete line of junction boxes, telephone cabinet covers, transformer cabinets, wireways, pushbutton enclosures, consoles and thermal management products. We specialize in custom-built enclosures and are more than happy to design a solution for your specific project. Our commercial meter pedestals are easy to install, fast, safe and secure, and completely customizable.



### POWERGEN

Milbank's standby and portable generators give you the peace of mind of living life uninterrupted during increasingly frequent power outages caused by severe weather, high demand and other situations. Our electric vehicle supply equipment, wind turbines and power management systems give you reliable and sustainable ways to reduce both your energy costs and your impact on the environment.



Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.

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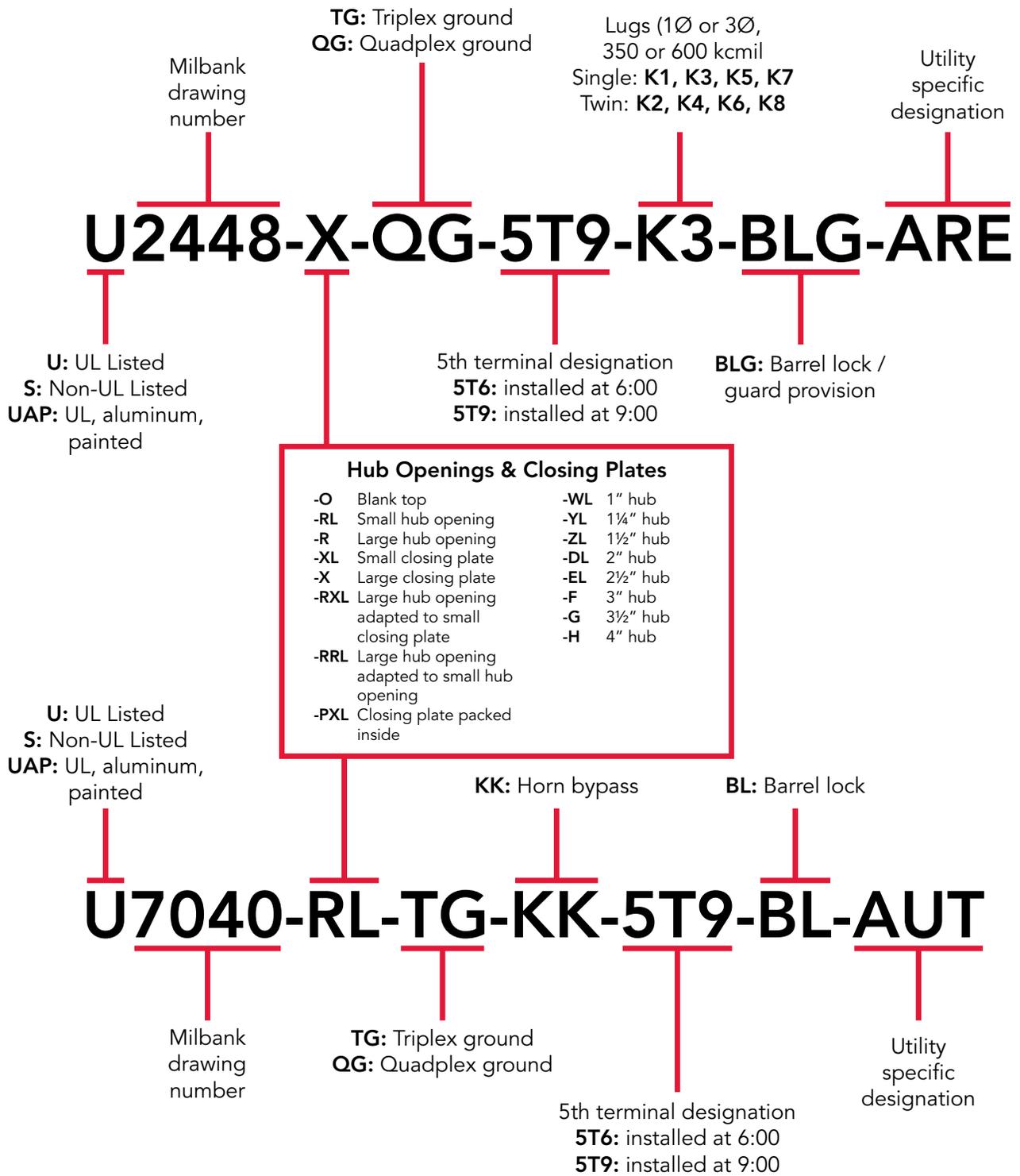
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# Catalog Number Logic

How our product catalog numbers are derived



Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.

# Air Conditioner Disconnects

30 & 60 Amps | Fusible & Non-Fusible



**U3802**



**U3812**



**U3832**

Milbank's air conditioner disconnect has a removable hinged cover which makes wiring a breeze. Our compact design meets all wire bending space requirements in the NEC and, also, complies with Article 440-14 in the NEC. To ensure the safest conditions, we designed our disconnect pullouts to be removable so they may be reinstalled in the off position. Another safety feature is the padlock provision on the front cover. As with all Milbank products, our enclosure is constructed of G90U galvanized steel and finished with an attractive, light gray, baked powder coating. Our state of the art finish combines epoxy and polyester hybrid resins into a hybrid powder coating which is then electrostatically applied. This offers a durable, nonfading finish.

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

Catalog Number	Amps	Type	Max H.P.	Weight (lbs.)	Line/Load Wire Range		Ground Wire Range CU/AL	Dimensions			Wire Rating	
					CU	AL		D"	W"	H"	CU °C	AL °C
<b>U3802</b>	60	Non-Fusible	10	3.25	#14-#2	#12-#2	#14-4	2½	5	7½	60°/75°	60°/75°
<b>U3812</b>	60	Non-Auto	10	3.25	#14-#2	#12-#2	#14-4	2½	5	7½	60°/75°	60°/75°
<b>U3832</b>	30	Fusible	3	2.5	#14-#3	#14-#3	#14-3	2½	5	7	60°/75°	60°/75°
<b>U3862</b>	60	Fusible	10	3.3	#14-#3	#14-#3	#14-3	2½	5	9	60°/75°	60°/75°

### Notes

- UL listed as Enclosed Pullout Switch
- Type 3R rainproof
- One-inch concentric knockouts

Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.



# Air Conditioner Disconnects

60 Amps | With 20 Amp GFCI Receptacle



**U3822-20GWR**

## Specifications

- Meets NEC #210.63 requirements
- UL listed as Power Outlet
- Type 3R enclosure
- In-use cover\*
- Duplex ground connector
- 1" concentric knockouts
- 1Ø, 240 volt
- 60 amp, non-fused
- 20 amp GFCI receptacle
- Reset/test button
- Weather and tamper resistant
- Meets NEC #406.8 requirements

## 60 Amps | 1Ø, 240 VAC | Air Conditioner Disconnect with GFCI Receptacle

Catalog Number	Type	Max H.P.	Weight (lbs.)	Line/Load Wire Range		Ground Wire Range CU/AL	Dimensions			Wire Rating	
				CU	AL		D"	W"	H"	CU °C	AL °C
U3822-20GWR	Non-Fusible	10	6	#14-#2	#12-#2	#14-4	4½"	5¼"	7½"	60°/75°	60°/75°

## Notes

- **Disconnect Pullouts:** To ensure the safest conditions, Milbank disconnect pullouts are reversible so they may be reinstalled in the OFF position.
- **Padlock Provision:** All units are designed with a padlock provision on the cover for security.
- **\*In-Use Cover:** Cover is rated as an in-use cover (cover may be closed with cords plugged into receptacle).



Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.

# Hot Tub Disconnects

## Type 3R Enclosures



**U4881-O-50GB**



**U4881-O-60GB**

### Specifications

- 240 volt ground fault protection
- UL listed, Type 3R rainproof
- 2-pole, 50 or 60 amp GFCI breaker protection
- Compact size
- Three or four wire installation
- 1Ø, 120/240 VAC
- Standard package of 12
- Two extra one-pole breaker spaces
- 100 amp overall rating
- Easy to install

### 100 Amps | Hot Tub Disconnect or Sub Panel Breaker Enclosure | Type 3R

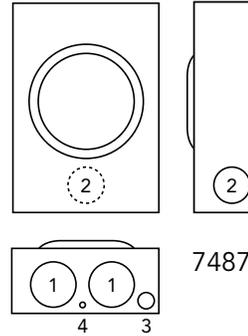
Catalog Number	Breaker Amps	Type	Weight (lbs.)	Line/Load Wire Range		Ground Wire Range CU/AL	Dimensions		
				CU	AL		D"	W"	H"
<b>U4881-O</b>	—	Breaker Provision	7	#14-1/0	#14-1/0	#14-1/0	3¾	7½	8½
<b>U4881-O-50GB</b>	50	Breaker	8	#14-1/0	#14-1/0	#14-1/0	3¾	7½	8½
<b>U4881-O-60GB</b>	60	Breaker	8	#14-1/0	#14-1/0	#14-1/0	3¾	7½	8½

Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.



# Single Position Sockets

125 Amps | 4 Terminals | Ringless | 240 VAC



7487

**U7487-O-TG**

**DTE Energy Approved | 125 Amps | 4 Terminals | Single Position | Ringless**

DTE Number	Catalog Number	Terminals	Service	Hub	Connectors CU/AL		Dimensions			Knockouts			
					Line	Load	D"	W"	H"	1	2	3	4
ZSW-100	U7487-O-TG	4	UG	Blank	#6-2/0	#6-2/0	3 <sup>5</sup> / <sub>16</sub>	8	11 <sup>1</sup> / <sub>2</sub>	2	1 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>4</sub>

## Notes

- **Connectors:** Extruded aluminum connectors are tin plated. Unit is supplied with a triplex neutral.
- **Fifth Terminal:** For field-installed fifth terminal, order catalog number **5T8K2**.
- **Relay Box:** For optional relay box, order catalog number **S2250-KO**.



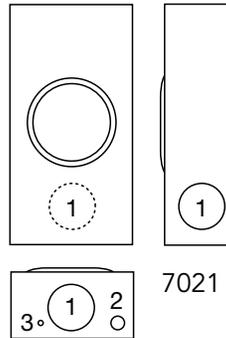
Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.

# Single Position Sockets

200 Amps | 4 Terminals | Ringless | 240 VAC

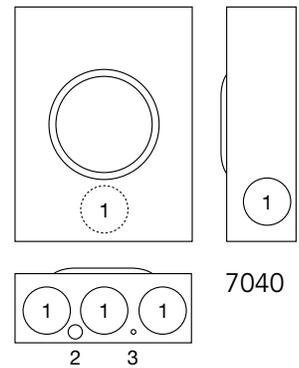
9

200 AMP  
SINGLE  
POSITION  
SOCKETS



7021

U7021-RL-TG



7040

U7040-RL-TG

DTE Energy Approved | 200 Amps | 4 Terminals | Ringless | Single Position

DTE Number	Catalog Number	Terminals	Service	Hub	Connectors CU/AL		Dimensions			Knockouts		
					Line	Load	D"	W"	H"	1	2	3
ZS-200	U7021-RL-TG	4	OH	H.O.	#6-350	#6-350	4 $\frac{1}{8}$	8	15 $\frac{1}{2}$	2 $\frac{1}{2}$	1 $\frac{1}{4}$ , 1 $\frac{1}{2}$	1 $\frac{1}{4}$
ZS-200	U7040-RL-TG	4	OH	H.O.	#6-350	#6-350	4 $\frac{1}{8}$	11	15 $\frac{1}{2}$	2 $\frac{1}{2}$	1 $\frac{1}{4}$ , 1 $\frac{1}{2}$	1 $\frac{1}{4}$
ZSU-200	U7040-RL-TG	4	UG*	H.O.	#6-350	#6-350	4 $\frac{1}{8}$	11	15 $\frac{1}{2}$	2 $\frac{1}{2}$	1 $\frac{1}{4}$ , 1 $\frac{1}{2}$	1 $\frac{1}{4}$

## Notes

- **Fifth Terminal:** For field-installed fifth terminal, order **K5T**.
- **Connectors:** Units are supplied with extruded aluminum connectors and triplex neutral.
- **\*U7040 Underground Service:** A closing plate must be used when the **U7040-RL-TG** is used for underground service. Order closing plate catalog number **A7551** as extra. For overhead service, order hub separately—see accessories page.

Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.



**1 □**  
200 AMP  
LEVER  
BYPASS  
SOCKETS

# Lever Bypass Single Position Sockets

200 Amps | 4-7 Terminals | Ringless | 480 VAC



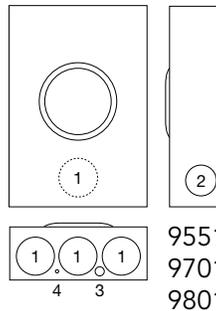
U9801-RXL



U9551-RXL



U9701-RXL



**DTE Energy Approved | 200 Amps | Ringless | Single Position**

DTE Number	Catalog Number	Terminals	Service	Hub	Connectors CU/AL		Bypass	Dimensions			Knockouts			
					Line	Load		D"	W"	H"	1	2	3	4
N/A	U9801-RXL	4	OH/UG	C.P.	#6-350	#6-350	Lever	4 <sup>7</sup> / <sub>8</sub>	13	19	3	2 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>4</sub> , 1 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>4</sub>
N/A	U9551-RXL	5	OH/UG	C.P.	#6-350	#6-350	Lever	4 <sup>7</sup> / <sub>8</sub>	13	19	3	2 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>4</sub> , 1 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>4</sub>
ZS3-200H	U9701-RXL	7	OH	C.P.	#6-350	#6-350	Lever	4 <sup>7</sup> / <sub>8</sub>	13	19	3	2 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>4</sub> , 1 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>4</sub>
ZS3-200P	U9701-RXL	7	UG	C.P.	#6-350	#6-350	Lever	4 <sup>7</sup> / <sub>8</sub>	13	19	3	2 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>4</sub> , 1 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>4</sub>

## Notes

- **Hubs:** For proper hub selection, see the hub suffix chart on the accessories page.
- **Bypass:** Lever supplies clamping action on meter spades and also operates bypass device.
- **Connectors:** Units are supplied with extruded aluminum connectors and bonded triplex neutral.
- **Fifth Terminal:** For field-installed fifth terminal for **U9801**, order as extra **K3866**.
- **Isolated Neutral:** For field-installed isolated neutral for the **U9701**, order kit number **K1047**.

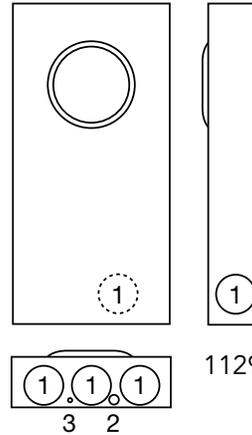


Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.

# Lever Bypass Single Position

320 Amps | 4 Terminals | Ringless | 240 VAC

**1 1**  
320 AMP  
LEVER  
BYPASS  
SOCKETS



U1129-O-DTE

**DTE Energy Approved | 320 Amps | 4 Terminals | Ringless | Lever Bypass | Single Position | 1Ø3W**

DTE Number	Catalog Number	Terminals	Service	Hub	Connectors CU/AL		Bypass	Dimensions			Knockouts			
					Line	Load		D"	W"	H"	1	2	3	4
ZSU-320	U1129-O-DTE	4	UG	Blank	3/8"-16 Studs	3/8"-16 Studs	Lever	4 7/8	15	30	3	2 1/2	1/4, 1/2	1/4

## Notes

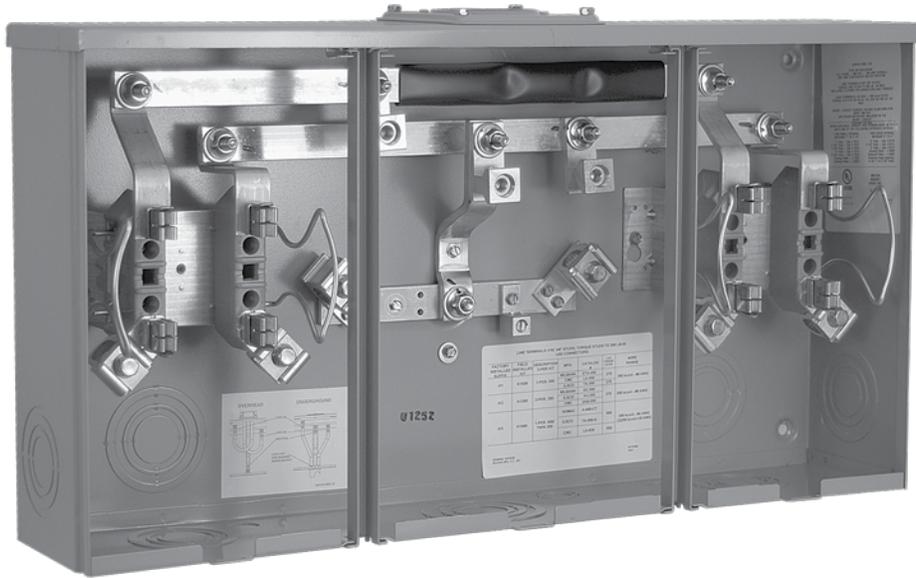
- **Hubs:** For proper hub selection, see the hub suffix chart on the accessories page.
- **Bypass:** Lever supplies clamping action on meter spades and also operates bypass device.
- **Connectors:** For connector kits, order as extra **K1350** (twin 350) or **K1540** (single 600). Separate kits are required for line and load.
- **Fifth Terminal:** For field-installed fifth terminal, order catalog number **K3865**.
- **Optional Breaker Enclosure:** Can be used with optional breaker enclosure (**U6064-XTL**)—see page 22.
- **Hot Water Tap:** For optional hot water tap kit, order catalog number **K5836**.
- **Isolated Neutral:** For field-installed isolated neutral, order catalog number **K5978**.

Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.



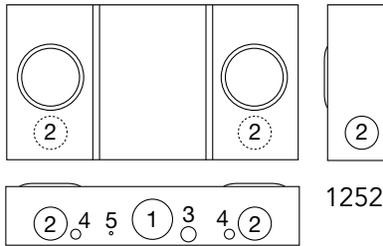
# Multi-Position Sockets

200 Amps/Position | 4 Terminals | Ringless | 240 VAC



**U1252-X**

(shown with line side lugs—not included, see accessories page)



**DTE Energy Approved | 200 Amps/Position | 4 Terminals | Ringless | 2 Positions**

DTE Number	Catalog Number	Terminals	Service	Hub	Connectors CU/AL		Dimensions			Knockouts				
					Line	Load	D"	W"	H"	1	2	3	4	5
ZS2-200	U1252-X	4	OH/UG	C.P.	3/8" -16 Studs	#6-350	5 1/8	26 1/2	14	3	2 1/2	1	1/2	1/4, 1/2

## Notes

- **Hubs:** For proper hub selection, see the hub suffix chart on the accessories page.
- **Fifth Terminal:** For field mounted fifth terminal in the 9 o'clock position, order catalog number **K5T**.
- **Connectors:** Extruded aluminum connectors are tin plated.
- **Amperage Rating:** Rated 200 amps per position, 400 amps overall.

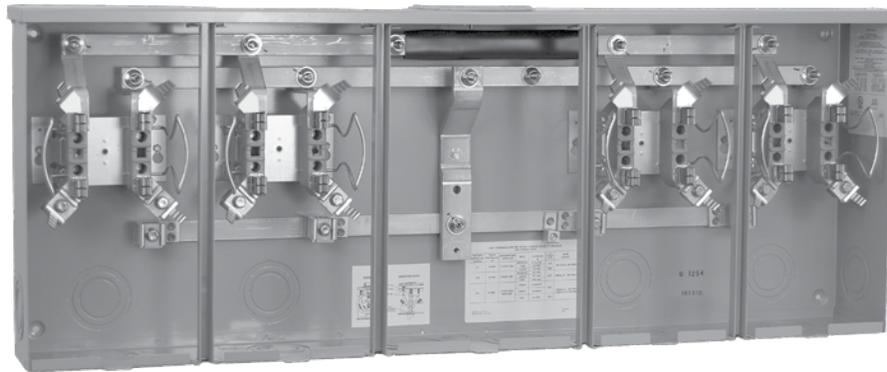


Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.

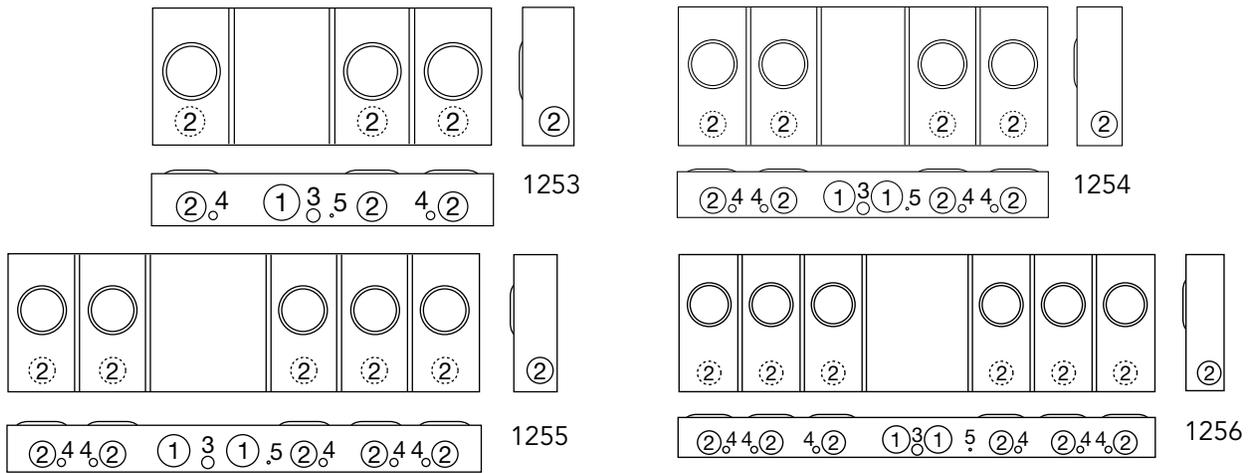
# Multi-Position Sockets

For use in *Consumers Energy* area only | 300 VAC

**13**  
200 AMP  
MULTI-  
POSITION  
SOCKETS



U1254-X-QG-KK-K3



**Consumers Energy Approved** | 200 Amps per Position | 4 Terminals | Ringless | Multi-Position

Catalog Number	Positions	Service	Hub	Connectors CU/AL		Bypass	Dimensions			Knockouts				
				Line	Load		D"	W"	H"	1	2	3	4	5
U1253-X-QG-KK-K3	3	OH/UG	C.P.	#4-600 or (2) 1/0-250	#6-350	Horn	5 $\frac{1}{8}$	34 $\frac{1}{2}$	14	3	2 $\frac{1}{2}$	1	$\frac{1}{2}$	$\frac{1}{4}$
U1254-X-QG-KK-K3	4	OH/UG	C.P.	#4-600 or (2) 1/0-250	#6-350	Horn	5 $\frac{1}{8}$	42 $\frac{1}{16}$	16	3	2 $\frac{1}{2}$	1	$\frac{1}{2}$	$\frac{1}{4}$
U1255-X-QG-KK-K4	5	OH/UG	C.P.	#2-600	#6-350	Horn	5 $\frac{1}{8}$	54 $\frac{1}{16}$	16	3	2 $\frac{1}{2}$	1	$\frac{1}{2}$	$\frac{1}{4}$
U1256-X-QG-KK-K4	6	OH/UG	C.P.	#6-350	#6-350	Horn	5 $\frac{1}{8}$	62 $\frac{7}{8}$	18	3	2 $\frac{1}{2}$	1	$\frac{1}{2}$	$\frac{1}{4}$

## Notes

- **Hubs:** For proper hub selection, see the hub suffix chart on the accessories page.
- **Fifth Terminal:** For field-mounted fifth terminal, order catalog number **K5T**.
- **Connectors:** Extruded aluminum connectors are tin plated.

Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.



# 14

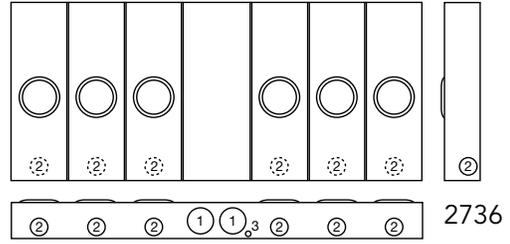
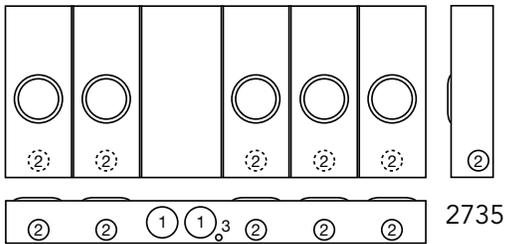
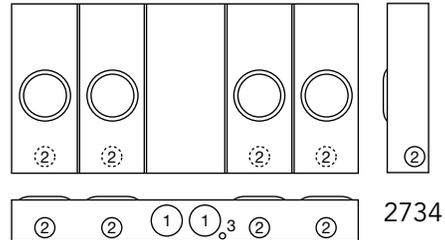
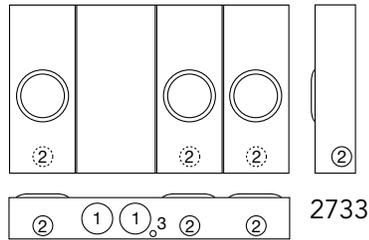
200 AMP  
LEVER BYPASS  
MULTI-  
POSITION  
SOCKETS

# Lever Bypass Multi-Position

For use in *Consumers Energy* area only | 300 VAC



U2733-XT-K8



**Consumers Energy Approved | 200 Amps per Position | 7 Terminals | Ringless | Multi-Position**

Catalog Number	Positions	Service	Hub	Connectors CU/AL		Bypass	Dimensions			Knockouts		
				Line	Load		D"	W"	H"	1	2	3
U2733-XT-K8	3	OH/UG	(2) C.P.	#2-600	#6-350	Lever	6	42 <sup>3</sup> / <sub>16</sub>	25 <sup>1</sup> / <sub>4</sub>	3	2 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>4</sub> , <sup>1</sup> / <sub>2</sub>
U2734-XT-K8	4	OH/UG	(2) C.P.	#2-600	#6-350	Lever	6	52 <sup>1</sup> / <sub>4</sub>	25 <sup>1</sup> / <sub>4</sub>	3	1 <sup>1</sup> / <sub>4</sub> , <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>4</sub>
U2735-XT-K8	5	OH/UG	(2) C.P.	#2-600	#6-350	Lever	6	62 <sup>5</sup> / <sub>16</sub>	25 <sup>1</sup> / <sub>4</sub>	3	1 <sup>1</sup> / <sub>4</sub> , <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>4</sub>
U2736-XT-K8	6	OH/UG	(2) C.P.	#2-600	#6-350	Lever	6	72 <sup>3</sup> / <sub>8</sub>	31 <sup>1</sup> / <sub>4</sub>	3	1 <sup>1</sup> / <sub>4</sub> , <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>4</sub>

## Notes

- **Hubs:** Units supplied with two closing plates. To order hubs as extra, refer to the hub suffix chart on the accessories page.
- **Bypass:** Lever supplies clamping action on meter spades and also operates bypass device.

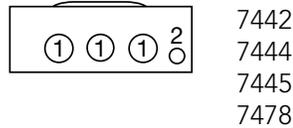
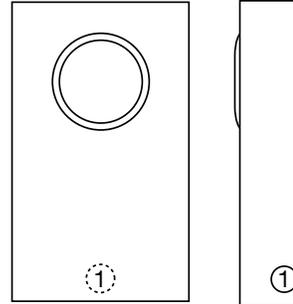
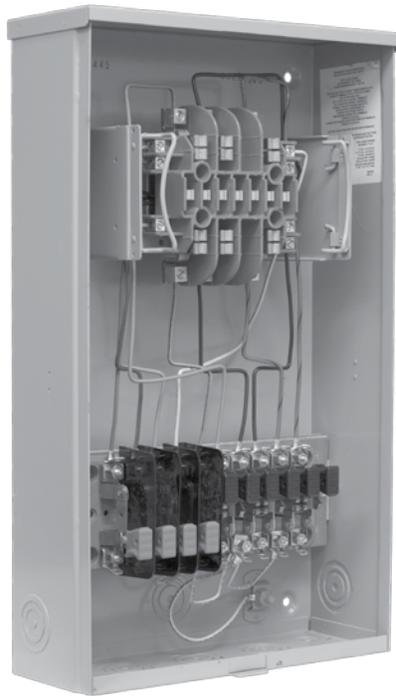


Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.

# CT Rated Sockets

20 Amps | 8–13 Terminals | Ringless | 480 VAC

**15**  
20 AMP  
CT RATED  
SOCKETS



UC7445-O-521

**DTE Energy Approved** | 20 Amps | 1-Piece Cover | CT Rated Socket w/ Prewired Test Switch | Ringless

DTE Number	Catalog Number	Terminals	Service	Hub	Connectors CU	Meter Form	Dimensions			Knockouts	
							D"	W"	H"	1	2
ZS3-20-5S	UC7444-O-201	8	UG	Blank	#14–#4 Max	5S	4 $\frac{1}{8}$	12	20	1 $\frac{1}{4}$	1 $\frac{1}{4}$ , 1 $\frac{1}{2}$
ZS3-20-9S	UC7445-O-521	13	UG	Blank	#14–#4 Max	6, 8, 9 & (ALT) 10S	4 $\frac{1}{8}$	12	20	1 $\frac{1}{4}$	1 $\frac{1}{4}$ , 1 $\frac{1}{2}$

## Notes

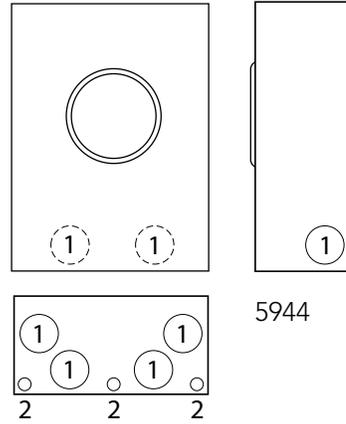
- **Connectors:** Units are supplied with sleeve-type connectors (#4 max).

Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.





U5944-XT-181



5944

**DTE Energy Approved | 400 Amps | 13 Terminals | Transocket | Ringless**

Catalog Number	Service	Hub	Connectors CU/AL		Bypass	Dimensions			Knockouts	
			Line	Load		D"	W"	H"	1	2
U5944-XT-181	OH/UG	(2) C.P.	#4-600 or (2) 250	#4-600 or (2) 250	Test Switch	12 <sup>1</sup> / <sub>16</sub>	24	34	4	1

## Notes

- **Hubs:** Two closing plates are supplied.
- **Test Switch:** Units are supplied with test switch and prewired per DTE specifications.
- **Front Cover:** Front cover is a "lift off" design.



Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.

# Commercial Pedestals

Attractive | Easy to Install | Secure | Cost-Effective

17  
COMMERCIAL  
PEDESTALS

**Milbank Commercial Pedestals** are pad-mounted, weatherproof electrical enclosures consisting of a utility pull section with optional meter socket, and a customer section containing distribution and control equipment. 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.



Strut and backboard

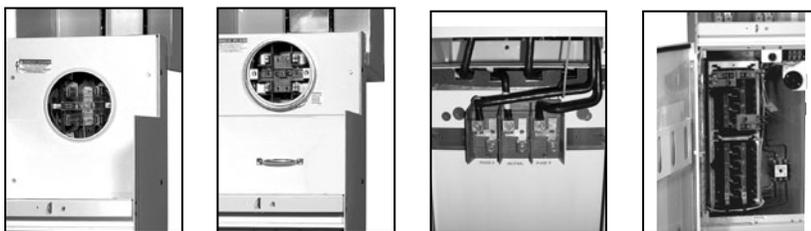


Commercial pedestal

## UL-listed as Industrial Control Equipment (File E113855)

### Standard Features

- Type 3R rainproof, vandal-resistant cabinet of polyurethane powder-coated steel (aluminum or stainless steel also available)
- UL-listed as enclosed industrial control equipment (UL508)
- Isolated lockable & 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
- Most 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)



Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.



These units are ideal for controlling and metering:

- Traffic signals
- Street lighting
- Irrigation and sprinkler systems
- Cell towers and telephone vaults
- Pump stations
- Temporary 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 amp
- Main and branch breakers or T fuses
- Distribution: copper load centers and panel boards
- Clocks, timers and relays
- Photoelectric cells and controls
- Power receptacles: pin and sleeve, twist lock or straight blade
- Contactors: definite purpose, electrical or mechanically held, IEC and mercury types
- Surge protection and lightning arrestors
- Reserve inlet generator receptacle with interlocked circuit breakers
- Motor starters and relays
- 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
- Available in steel, aluminum (unpainted, 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 amp, 120V, 208V, 240V, 277V, 480V - 1Ø or 3Ø



# Generators

## Home Standby & Portable

With over 85 years in the electrical distribution industry, Milbank is proud to offer quality home standby and portable generator systems in partnership with Briggs & Stratton.

### Home Standby Generators

- 7, 10 & 12 kW vertical air-cooled
- 17 & 20 kW horizontal air-cooled
- 30 & 45 kW horizontal liquid-cooled



### Portable Generators

Milbank offers a comprehensive line of portable generators ready for any emergency—so that you have what your customers need when they need it.



Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.



From a wall-mounted single dock unit in a residential garage, to a citywide municipal integration, our scalable, flexible, reliable solution is designed for effectiveness in virtually any installation scenario.

## Level II Models

**MEVSE-RS**—Residential, single wall mounted; overnight at-home charging.

**MEVSE-RS Dual**—Pedestal mounted with two ports; ideal for multi-family and high-traffic commercial parking lots.

**MEVSE-RS+**—Available in single, dual and quad configurations with the addition of programmable, smart charging capabilities; allows communication with the grid for charging when energy consumption is low; allows connectivity to GPRS.

## Level III Models

**DC Fast Charge** — Stations feature JARI/TEPCO connectors and CHAdeMO certification; practical networking and payment options; available from 30-60kW models suitable for public and fleet usage; charges in 15-30 minutes.

## Suitable EV Station Locations

- Shopping malls
- Theatres
- Municipal buildings
- Central business districts
- Entertainment districts
- Stadiums & arenas
- Rest areas
- Truck stops / travel plazas
- Camping / RV parks
- Restaurants
- Parking garages
- Public curbside parking
- Office buildings
- Single-family residences
- Multi-unit residences
- Airports
- Hotels
- Casinos
- Anywhere people park for extended periods of time



# Commercial & Industrial Enclosures

*Milbank Enclosures: We've Got It Covered!*

**21**  
COMMERCIAL  
& INDUSTRIAL  
ENCLOSURES

## 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.



## NEMA Industrial Enclosures

Milbank's line of industrial enclosures include junction boxes, wiring trough, pushbutton enclosures and modular enclosures. Milbank also excels in special designs; nearly any type, size or color of enclosure you need, we can make!

### Type 12 Enclosures

Enclosures constructed without knockouts for indoor use to provide a degree of protection to personnel against access to hazardous parts, and protect components against falling dirt, circulating dust and lint, and dripping or splashing water.

### Type 4 Enclosures

Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against access to hazardous parts; protect equipment against falling dirt and windblown dust; protect against rain, sleet, snow, splashing water, and hose directed water; and is resistant to damage by the external formation of ice on the enclosure.

### Industrial Enclosure Specials

Milbank specializes in custom enclosure projects, offering an almost limitless amount of styles, options, colors and sizes. Milbank will meet your needs and specifications and deliver a custom enclosure that protects your crucial electric equipment.

### Thermal Management

Protect components housed in enclosures from damage caused by overheating, freezing, humidity and condensation with these thermal management products.

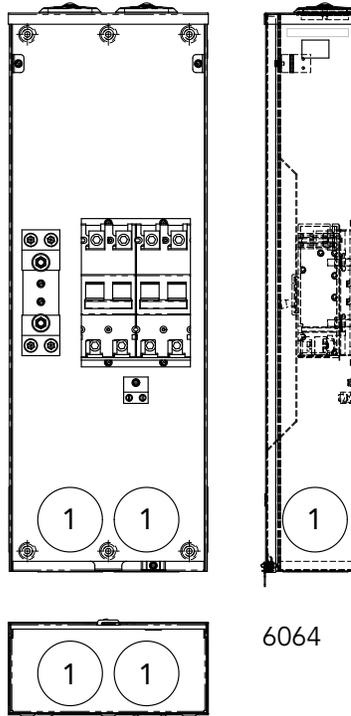


Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.





U6064-XTL-200-200



6064



U6064-XTL-200-200

## Specifications

- 120/240V, 1Ø applications
- UL Listed
- Available for two UQFB style breakers in any combo of 100, 150, 200 amps
- 10K AIC rated
- Removable front cover and deadfront
- Type 3R 16 gauge G90 galvanized steel shell
- Light gray polyester powder coat finish

### Breaker Enclosures | 120/240V | 1Ø

Catalog Number	Service	Hub	Dimensions			Knockouts
			D"	W"	H"	1
U6064-XTL-100-100	OH	(2) C.P.	4 <sup>27</sup> / <sub>32</sub>	11	31	3
U6064-XTL-150-150	OH	(2) C.P.	4 <sup>27</sup> / <sub>32</sub>	11	31	3
U6064-XTL-200-200	OH	(2) C.P.	4 <sup>27</sup> / <sub>32</sub>	11	31	3

### Circuit Breakers

10K AIC Bolt-On	Amps	Wire Range	
		CU	AL
UQFB-100	100	#3-#1	#1-1/0
UQFB-150	150	1/0-300	2/0-300
UQFB-200	200	1/0-300	2/0-300

## Notes

- **Application:** To be used in conjunction with 320 amp, single phase meter sockets, or when the utility requires a separate enclosure for the meter socket and main breaker.



Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.

# Circuit Breakers

UQFP Plug-In & UQFB Bolt-On Series | 120/240 VAC



**UQFP**  
**UQFPH**



**UQFP-M**  
**UQFPH-M**



**UQFB-X1**



**UQFB-X**



**UQFB**



**UQFB-X-MOD**

**200 Amp Frame | Plug-In | 10,000 AIC & 22,000 AIC | Two-Pole - Common Trip**

Amps	10K AIC Plug-In	22K AIC Plug-In	10K AIC Plug-In	22K AIC Plug-In	Wire Range	
					CU	AL
100	UQFP-100	UQFPH-100	UQFP-M-100	UQFPH-M-100	#3-#1	#1-1/0
125	UQFP-125	UQFPH-125	UQFP-M-125	UQFPH-M-125	#3-#1	#1-1/0
150	UQFP-150	UQFPH-150	UQFP-M-150	UQFPH-M-150	1/0-300	2/0-300
175	UQFP-175	UQFPH-175	UQFP-M-175	UQFPH-M-175	1/0-300	2/0-300
200	UQFP-200	UQFPH-200	UQFP-M-200	UQFPH-M-200	1/0-300	2/0-300

**200 Amp Frame | Bolt-On | 10,000 AIC & 22,000 AIC | Two-Pole - Common Trip**

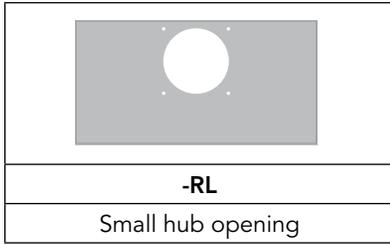
Amps	10K AIC Bolt-On	22K AIC Bolt-On	10K AIC Bolt-On	22K AIC Bolt-On	Wire Range	
					CU	AL
100	UQFB-100	UQFBH-100	UQFB-100-X1	UQFBH-M-100	#3-#1	#1-1/0
125	UQFB-125	UQFBH-125	UQFB-125-X1	UQFBH-M-125	#3-#1	#1-1/0
150	UQFB-150	UQFBH-150	UQFB-150-X1	UQFBH-M-150	1/0-300	2/0-300
175	UQFB-175	UQFBH-175	UQFB-175-X1	UQFBH-M-175	1/0-300	2/0-300
200	UQFB-200	UQFBH-200	UQFB-200-X1	UQFBH-M-200	1/0-300	2/0-300

## Notes

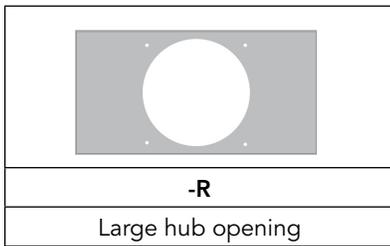
- **UL Listed:** For use with 60°C or 75°C wire.
- **UQFP:** For parallel main circuit breaker applications.
- **UQFP-M:** For series main circuit breaker applications Split load tab features allow for feed-through capability.
- **UQFB:** (2) 1/0-300 lugs provided on load and line side (cable-in, cable-out).
- **UQFB3:** Three-pole available. Consult factory.
- **UQFB-X:** (2) 1/0-300 lugs provided on load side and (2) line bar bus connections on line side.
- **UQFB-M:** For series main circuit breaker applications. Split load tab features allow for feed-through capability.
- **UQFB-X-MOD:** Replacement circuit breaker with line barriers removed.

Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.





<b>-WL</b>   <b>A7514</b>	<b>-YL</b>   <b>A7515</b>	<b>-ZL</b>   <b>A7516</b>	<b>-DL</b>   <b>A7517</b>	<b>-EL</b>   <b>A7518</b>	<b>-XL</b>   <b>A7551</b>
1" hub	1¼" hub	1½" hub	2" hub	2½" hub	Small closing plate



<b>-F</b>   <b>A8110</b>	<b>-G</b>   <b>A8111</b>	<b>-H</b>   <b>A8112</b>	<b>-X</b>   <b>A9064</b>	<b>-RRL</b>   <b>S8324</b>
3" hub	3½" hub	4" hub	Large closing plate	Large hub opening adapted to small hub opening

### Notes

- **Suffix:** Add to catalog number for factory installation of hub.
- **Packaging:** Individually packed units for field installation.
- **Abbreviations:** H.O. (hub opening), C.P. (closing plate).



Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.

# Accessories

## Connector Kits, Closing Covers & Miscellaneous

### Connector Kits — For Use with 3/8"-16 Stud Type Units Only

					
Single			Twin		
Suffix	Part #	(3 per set) - 1Ø	Suffix	Part #	(3 per set) - 1Ø
K1	K1539	6-350	K2	K1350	6-350
K3	K1540	4-600 or (2) 1/0-250*	K2L	K1350L	6-350 (non rotating)
K3L	K1540L	4-600 or (2) 1/0-250* (non rotating)	K4	K1541	4-600
Suffix	Part #	(4 per set) - 3Ø	Suffix	Part #	(4 per set) - 3Ø
K5	K3082	6-350	K6	K3442	6-350
K7	K3441	4-600 or (2) 1/0-250*	K8	K3083	4-600

\*For (2) 1/0-250, conductors must be of same size.

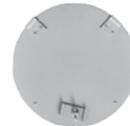
### Bypass Link



### Note

Consult factory for proper connector kits for studded meter sockets.

### Closing Covers

	
Meter Closing Plate (Ring Type / Ringless)	Metal Closing Plate (For Ringless Sockets)
<b>6003</b> - Grey Plastic	<b>CP-21</b>
<b>6116</b> - Clear Plastic	

### Disconnect Sleeve



### Touch-Up Paint



### Relay Box



### Breaker Enclosure



### Anti-Inversion Clip



Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.



## Fifth Terminals & Block Assemblies

### Fifth Terminals

		
<b>5T8K2</b> - 100-200 Amp "Plug-In"	<b>K5T</b> - 200 Amp (Block with Square Hole)	<b>K3865</b> - Heavy Duty Jaw Clamping ( <b>K3866</b> without Neutral Wire)

### Triplex Ground


<b>K1190</b> (For factory installed triplex ground, add suffix -TG to catalog number)

### 100 Amp Blocks *(single sockets only)*


<b>BL7474</b> - Block Assembly
<b>BL7499</b> - Horn Bypass Block Assembly
<b>Z904486-AO</b> - Slotted Nut Assembly
<b>Z903274-AO</b> - Horn Bypass Nut Assembly
<b>Z802965-AC</b> - Neutral without Nut
<b>Z901925-AC</b> - Hex Nut Set Screw

### 200 Amp Blocks *(single sockets only)*


<b>K4527</b> - Internal Hex Block Assembly (w/ meter support)
<b>K4528</b> - External Hex Block Assembly (w/ meter support)
<b>K4529</b> - Internal Hex Horn Bypass Block Assembly (w/ meter support)
<b>K4530</b> - External Hex Horn Bypass Block Assembly (w/ meter support)
<b>Z916265-AO</b> - Internal Nut Assembly
<b>Z916264-AO</b> - External Nut Assembly
<b>Z814898-AC</b> - Neutral without Nut

# 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

- A. Give equipment a thorough visual examination to determine that:
  - 1) No shipping or installation damage exists.
  - 2) Proper clearances have been maintained.
  - 3) All connections have been made.
  - 4) Equipment is clean and dry.
- B. Make a thorough examination to:
  - 1) Verify tightness of all bolted connections (see table below).
  - 2) Manually operate all circuit breakers, switches, relays, etc.
  - 3) Check rigidity of all mountings, bus bars and components.
  - 4) Use test equipment to check continuity of circuitry and integrity of insulation.
- C. All switches and circuit breakers should be in the "off" position.
- D. Verify that manual meter bypass (if applicable) is in non-bypass position.
- E. Install cover and/or close doors.
- F. 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

- A. 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

- A. 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\*

Nominal Size	Joint Description		Head Type	Torque (Inch Lbs.)
	Screw	Nut		
10	Brass	Brass Nut or Extruded Hole	All	20-25 inch lbs.
10	Steel	Copper or Aluminum Busbar $\leq 1/8$ "	All	25-30 inch lbs.
10	Steel	Steel Nut or Extruded Hole; CU or AL Busbar $> 1/8$ "	All	30-35 inch lbs.
12	Steel	Aluminum Extruded Hole	All	30-35 inch lbs.
12	Steel	Steel Nut or Extruded Hole	All	40-50 inch lbs.
1/4	Steel	Aluminum Extruded Hole	All	40-50 inch lbs.
1/4	Steel	Steel Nut or Extruded Hole; CU or AL Busbar	All	50-60 inch lbs.
5/16	Steel	Aluminum Extruded Hole	Hex	60-70 inch lbs.
5/16	Steel	Steel Nut or Extruded Hole; CU or AL Busbar	Hex	100-150 inch lbs.
3/8	Steel	Steel Nut	Hex	150-200 inch lbs.
1/2	Steel	Steel Nut	Hex	200-250 inch lbs.

\* Interior labels typically indicate the required torque for wire connectors and studs, and should be referenced first.  
**CU:** Copper  
**AL:** Aluminum

Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.



## Materials

### Steel Quality

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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

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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

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

### Aluminum Sheet

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

### Copper Sheet & Bus

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Electrolytic copper with tin plating in most applications.

### Insulating Materials

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- In most units, support bases for current-carrying components are molded from fiberglass reinforced high-strength, track resistant, thermoset 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

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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

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Zinc-coated with a chromate dip.

## Ratings & Compliance

### Ratings & Compliance

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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).



Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.

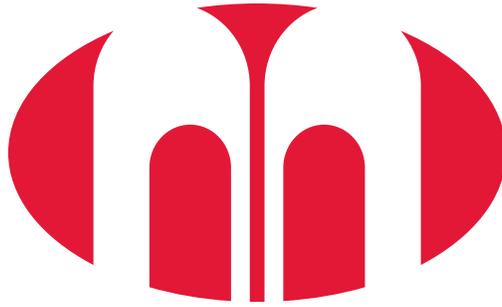
6003.....	25	K3083.....	25	U3802.....	5	UQFB-125.....	23
6116.....	25	K3441.....	25	U3812.....	5	UQFB-125-X1.....	23
5T8K2.....	26	K3442.....	25	U3822-20GWR.....	6	UQFB-150.....	23
A7514.....	24	K3865.....	26	U3832.....	5	UQFB-150-X1.....	23
A7515.....	24	K3866.....	26	U3862.....	5	UQFB-175.....	23
A7516.....	24	K4527.....	26	U4881-O.....	7	UQFB-175-X1.....	23
A7517.....	24	K4528.....	26	U4881-O-50GB.....	7	UQFB-200.....	23
A7518.....	24	K4529.....	26	U4881-O-60GB.....	7	UQFB-200-X1.....	23
A7551.....	24	K4530.....	26	U5944-XT-181.....	16	UQFBH-100.....	23
A8110.....	24	K4802.....	25	U6064-XTL-100-100.....	22	UQFBH-125.....	23
A8111.....	24	K5T.....	26	U6064-XTL-150-150.....	22	UQFBH-150.....	23
A8112.....	24	K8180.....	25	U6064-XTL-200-200.....	22	UQFBH-175.....	23
A9064.....	24	M5-144.....	25	U6064-XTL-200-200.....	25	UQFBH-200.....	23
A-GP.....	25	S2250-KO.....	25	U7021-RL-TG.....	9	UQFBH-M-100.....	23
BL7474.....	26	S8324.....	24	U7040-RL-TG.....	9	UQFBH-M-125.....	23
BL7499.....	26	U1129-O-DTE.....	11	U7040-RL-TG.....	9	UQFBH-M-150.....	23
CP-21.....	25	U1252-X.....	12	U7487-O-TG.....	8	UQFBH-M-175.....	23
K1190.....	26	U1253-X-QG-KK-K3.....	13	U9551-RXL.....	10	UQFBH-M-200.....	23
K1350.....	25	U1254-X-QG-KK-K3.....	13	U9701-RXL.....	10	Z802965-AC.....	26
K1350L.....	25	U1255-X-QG-KK-K4.....	13	U9701-RXL.....	10	Z814898-AC.....	26
K1539.....	25	U1256-X-QG-KK-K4.....	13	U9801-RXL.....	10	Z901925-AC.....	26
K1540.....	25	U2733-XT-K8.....	14	UC7444-O-201.....	15	Z903274-AO.....	26
K1540L.....	25	U2734-XT-K8.....	14	UC7445-O-521.....	15	Z904486-AO.....	26
K1541.....	25	U2735-XT-K8.....	14	UQFB-100.....	23	Z916264-AO.....	26
K3082.....	25	U2736-XT-K8.....	14	UQFB-100-X1.....	23	Z916265-AO.....	26

Utility requirements for this equipment may vary. Always consult the serving utility for their requirements before ordering or installing equipment.









# MILBANK<sup>®</sup>

ENERGY AT WORK

