

**MILBANK®**  
ENERGY AT WORK



# **DTE Energy & Consumers Energy**

## AREA CATALOG



Milbank Manufacturing is the  
premier manufacturer of  
metering equipment,  
enclosures, and power  
distribution and controls in  
the United States.

# Milbank Overview

## *Energy At Work Since 1927*

Milbank designs and manufactures electrical solutions that move and manage power for the residential, commercial, industrial, utility and transportation sectors. With nearly a century of expertise in electrical engineering design and manufacturing, Milbank's portfolio includes metering equipment, enclosures and Power Distribution & Controls. Founded in 1927, Milbank is a family-owned, American manufacturer headquartered in Kansas City, Mo. For more information, please visit [milbankworks.com](http://milbankworks.com).



### Metering

Milbank has been a market leader in electrical metering equipment, setting the standard in quality, for 95 years and counting. Hundreds of configurations are available, including many sizes, knockout configurations, terminals 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. Enclosures are built with high-quality craftsmanship and materials, designed to meet or exceed industry standards. Each unit is engineered to protect controls and equipment from dust, dirt and other harmful elements, based on various NEMA ratings.



### Power Distribution & Controls

Milbank doesn't just build empty enclosures, we can design and craft the entire package. Our power distribution and controls are custom control equipment that's built to your exact specifications by our engineers. Milbank Power Distribution & Controls are an attractive, secure, easy-to-install and cost-effective solution. These units can replace unsightly and insufficient strut and backboard structures when underground remote site power distribution and control equipment is required.



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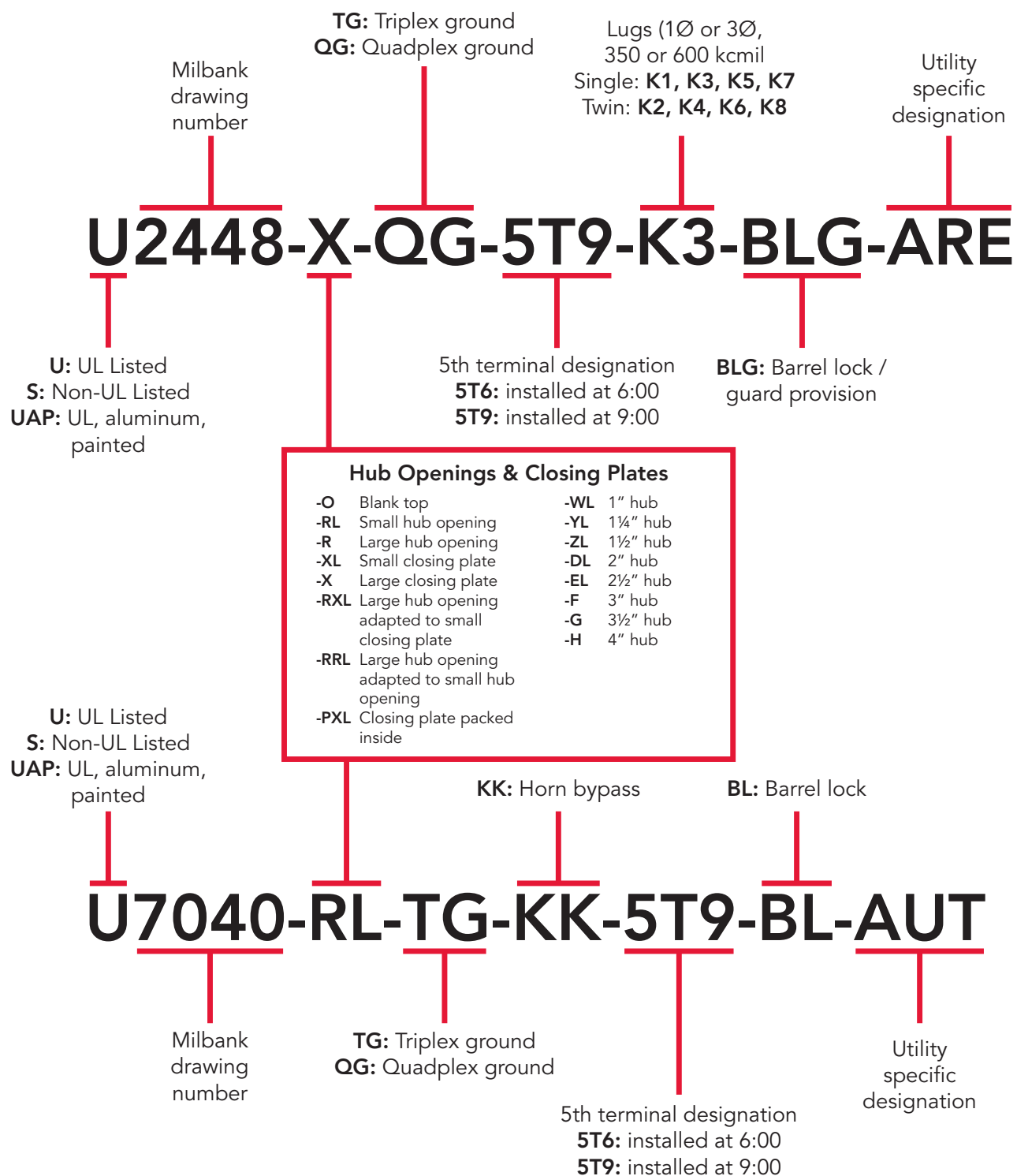
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# Air Conditioner Disconnects

## 30-60 Amps | Fusible and 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 G90 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 240V | 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
U3802	60	Non-Fusible	10	3.25	#14-#2	#12-#2	#14-4	2½	5	7½	60°/75°	60°/75°
U3812	60	Non-Auto	10	3.25	#14-#2	#12-#2	#14-4	2½	5	7½	60°/75°	60°/75°
U3832	30	Fusible	3	2.5	#14-#3	#14-#3	#14-3	2⅞	5	7	60°/75°	60°/75°
U3862	60	Fusible	10	3.3	#14-#3	#14-#3	#14-3	2⅞	5	9	60°/75°	60°/75°

### Notes

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

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# Air Conditioner Disconnects

60 Amps | With 20 Amp GFCI Receptacle



U3822-20GWR

### Specifications

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

### 60 Amps | 1Ø, 240V | 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	4 <sup>5</sup> / <sub>8</sub>	5 <sup>1</sup> / <sub>4</sub>	7 <sup>5</sup> / <sub>8</sub>	60°/75°	60°/75°

### Notes

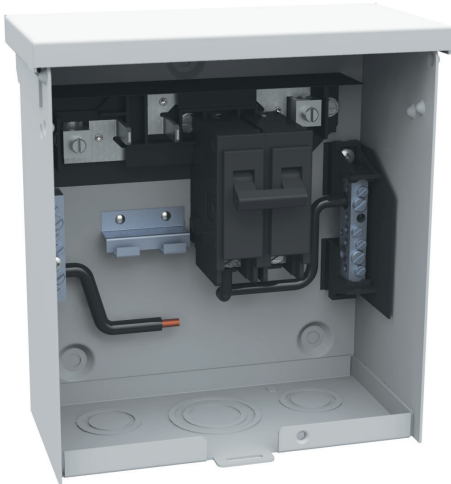
- **Disconnect Pullouts:** To ensure the safest conditions, Milbank disconnect pullouts are reversible so they may be reinstalled in the OFF position.
- **Padlock Provision:** All units are designed with a padlock provision on the cover for security.
- **\*In-Use Cover:** Cover is rated as an in-use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



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# Hot Tub Disconnects

NEMA 3R Enclosures | NEC 2020 Compliant



U4881-O-50GB



U4881-O-60GB

## Specifications

- 240V ground fault protection
- UL-listed, NEMA 3R weather-resistant
- Two-pole, 50 or 60 Amps GFCI breaker protection
- Compact size
- Three- or four-wire installation
- 1Ø, 120/240V
- Standard package of 12
- 100 Amps overall rating
- Easy to install

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

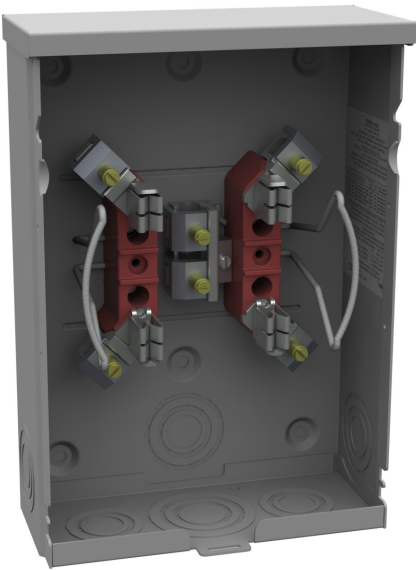
Catalog Number	Breaker Amps	Type	Weight (lbs.)	Line/Load Wire Range		Ground Wire Range CU/AL	Dimensions		
				CU	AL		D"	W"	H"
U4881-O-50GB	50	Breaker	8	#14-1/0	#14-1/0	#14-1/0	3 ¾	7 ½	8 ½
U4881-O-60GB	60	Breaker	8	#14-1/0	#14-1/0	#14-1/0	3 ¾	7 ½	8 ½

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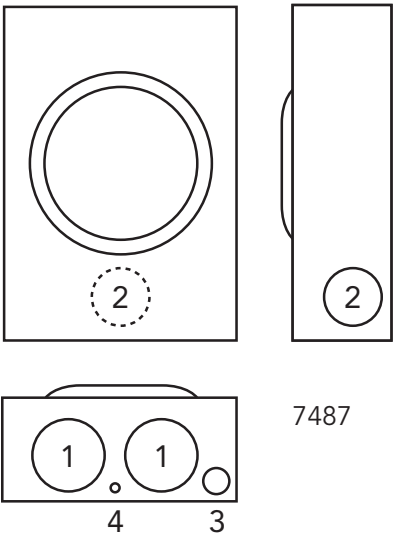


# Single Position Sockets

125 Amps | 4 Terminals | Ringless | 240V



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**.



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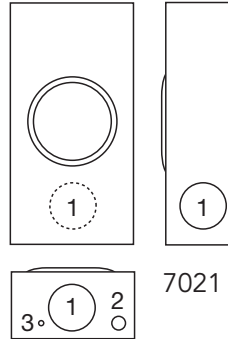
# Single Position Sockets

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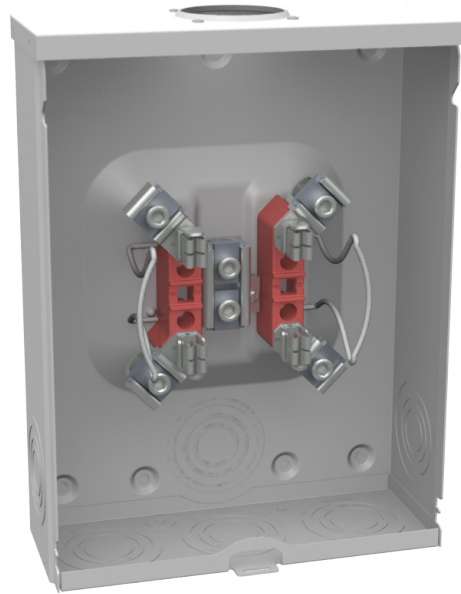
200 Amps | 4 Terminals | Ringless | 240V



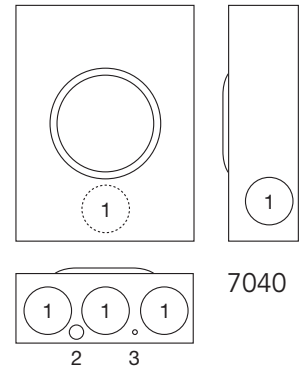
U7021-RL-TG



7021



U7040-RL-TG



7040

**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 $\frac{1}{2}$	$\frac{1}{4}$ , $\frac{1}{2}$	$\frac{1}{4}$
ZS-200	U7040-RL-TG	4	OH	H.O.	#6-350	#6-350	4 $\frac{1}{8}$	11	15 $\frac{1}{2}$	2 $\frac{1}{2}$	$\frac{1}{4}$ , $\frac{1}{2}$	$\frac{1}{4}$
ZSU-200	U7040-RL-TG	4	UG*	H.O.	#6-350	#6-350	4 $\frac{1}{8}$	11	15 $\frac{1}{2}$	2 $\frac{1}{2}$	$\frac{1}{4}$ , $\frac{1}{2}$	$\frac{1}{4}$

## 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.

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# 1 □

## Lever Bypass Single Position Sockets

200 Amps | 4–7 Terminals | Ringless | 480V



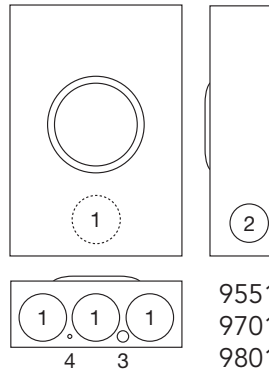
U9801-RXL



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>	1/4, 1/2	1/4
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>	1/4, 1/2	1/4
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>	1/4, 1/2	1/4
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>	1/4, 1/2	1/4

### Notes

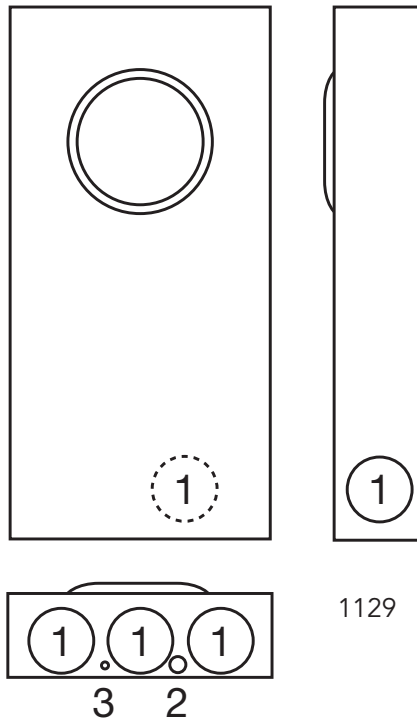
- **Hubs:** For proper hub selection, see the hub suffix chart on the accessories page.
- **Bypass:** The lever operates bypass device and supplies clamping action to meter spades.
- **Connectors:** Units are supplied with extruded aluminum connectors and bonded triplex neutral.
- **Fifth Terminal:** 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**.



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# Lever Bypass Single Position

320 Amps | 4 Terminals | Ringless | 240V



1129

U1129-O-DTE

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

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

## Notes

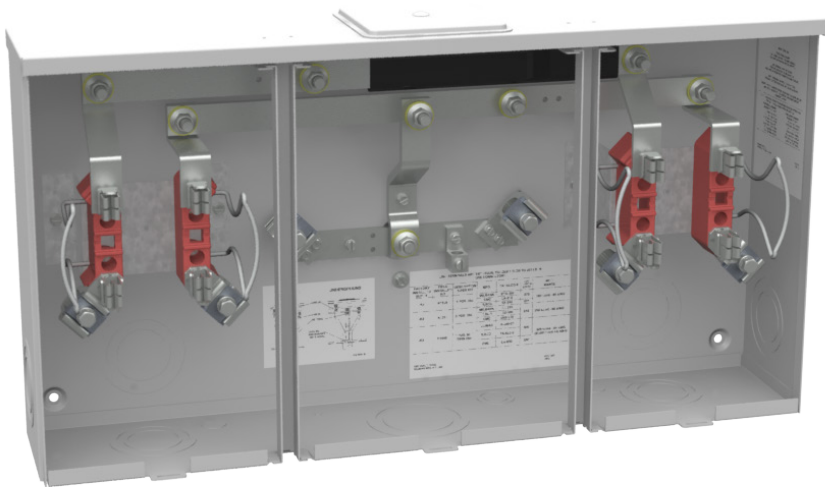
- **Hubs:** For proper hub selection, see the hub suffix chart on the accessories page.
- **Bypass:** The lever operates bypass device and supplies clamping action to meter spades.
- **Connectors:** For connector kits, order as extra **K1350** (twin 350) or **K1540** (single 600). Separate kits are required 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**.

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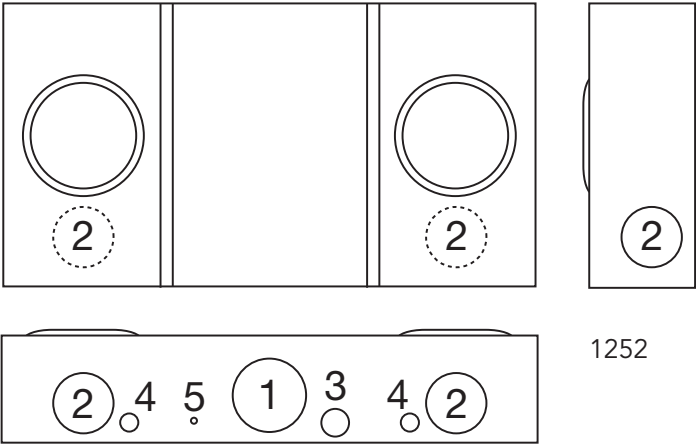


200 Amps/Position | 4 Terminals | Ringless | 240V



**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	Service	Hub	Connectors CU/AL		Dimensions			Knockouts				
				Line	Load	D"	W"	H"	1	2	3	4	5
ZS2-200	U1252-X	OH/UG	C.P.	3/8"-16 Studss	#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.



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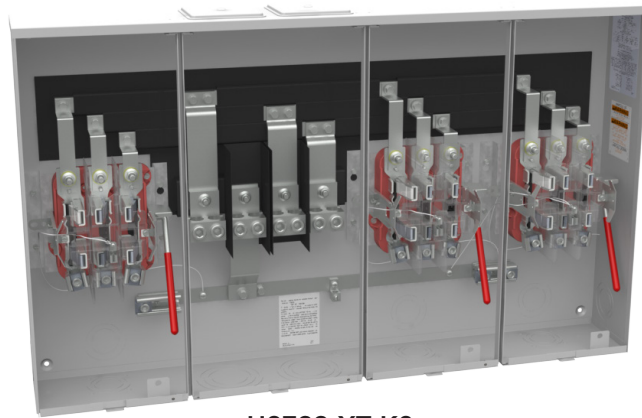
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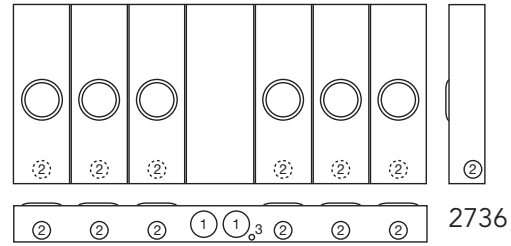
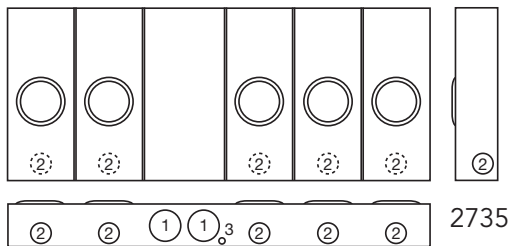
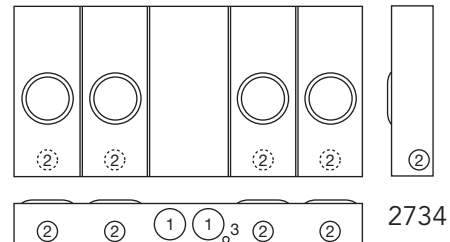
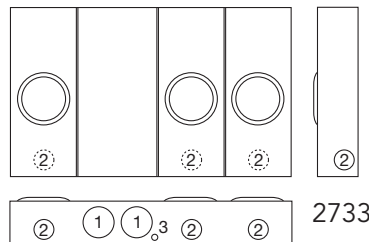


# Lever Bypass Multi-Position

For Use in **Consumers Energy** Area Only | 300V



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> , 1 <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> , 1 <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> , 1 <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> , 1 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>4</sub>

## Notes

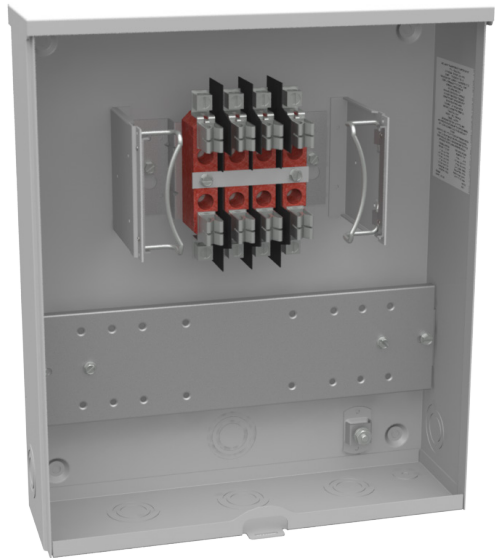
- **Hubs:** Units supplied with two closing plates. To order additional hubs, refer to the hub suffix chart on the accessories page.
- **Bypass:** The lever operates bypass device and supplies clamping action to meter spades.



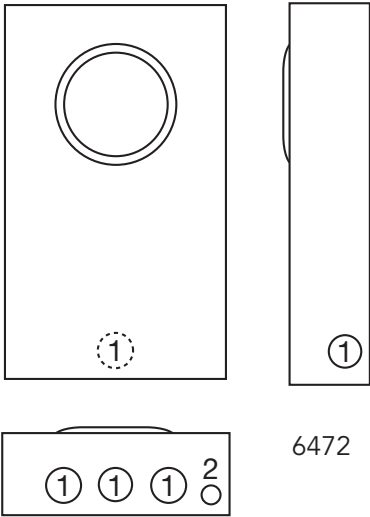
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# CT Rated Sockets

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



UC6472-O-21



6472

**DTE Energy Approved** | Approved for Primary Metering Applications  
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	UC6472-O-21	8	UG	Blank	#14–#4 Max	5S	4 $\frac{1}{8}$	14	16 $\frac{1}{2}$	1 $\frac{1}{4}$	1 $\frac{1}{4}$ , 1 $\frac{1}{2}$
ZS3-20-9S	UC6473-O-21	13	UG	Blank	#14–#4 Max	6,8,9 & (ALT) 10S	4 $\frac{1}{8}$	14	16 $\frac{1}{2}$	1 $\frac{1}{4}$	1 $\frac{1}{4}$ , 1 $\frac{1}{2}$

**DTE Energy Approved** | Only Approved for Secondary Metering Applications  
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 $\frac{1}{2}$

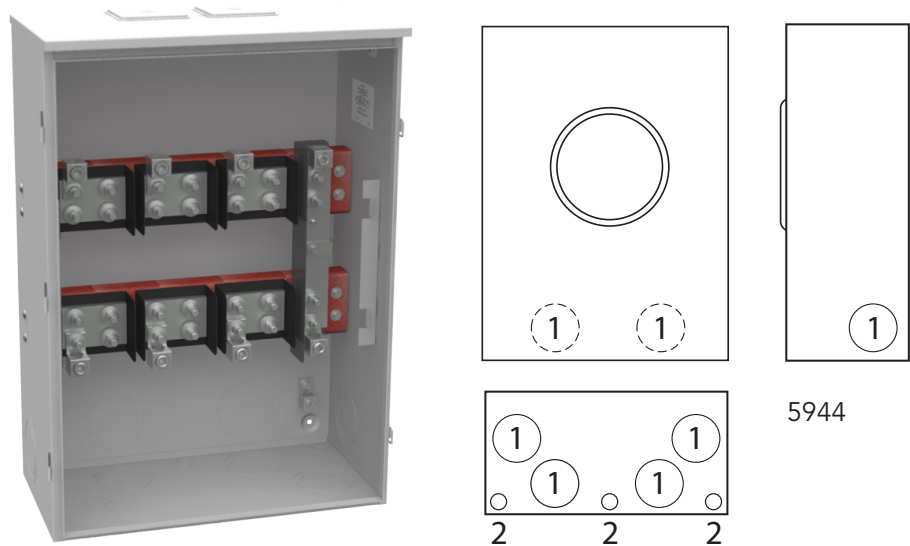
## Notes

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

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400 Amps | 13 Terminals | Ringless | 480V



U5944-XT-181

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	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.



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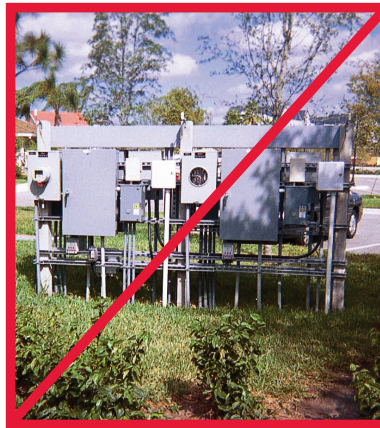
# Power Distribution & Controls

17

*Attractive | Easy-to-Install | Secure | Cost-Effective*

## Milbank Power Distribution & Controls

are an alternative to unsightly and inefficient strut and backboard structures. Power Distribution & Controls are an attractive, secure, easy-to-install and cost-effective solution for underground remote site power distribution. Cabinets are weather-resistant enclosures that can be crafted to suit any environment with various mounting options. Each individual unit features a utility pull section with an optional meter socket and a separate customer section with distribution and control equipment.



Strut and Backboard

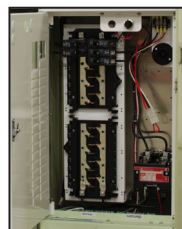
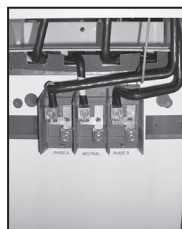


Commercial Pedestal

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

### Standard Features

- NEMA NEMA 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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## Applications

*These units are ideal for controlling and metering:*

- Traffic signals and street lighting for municipalities.
- Power distribution for electric vehicle charging stations.
- Communication equipment such as cell towers and telephone vaults.
- Event power for fairgrounds, outdoor markets, portable offices, holiday lights, etc.
- Outdoor lighting for athletic fields, tennis and basketball courts, parking lots, landscaping and subdivision entrances.

## Available Factory-Installed Options

- Meter sockets: ring type or ringless, up to 400 Amps
- Mains and branch breakers or T fuses
- Distribution: copper load centers and panelboards
- 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 arresters
- Generator inlets with interlocked breakers
- Push button controls
- Thermostat controls, fans and heating strips
- Power blocks and Terminals blocks
- Steel, aluminum and plywood backboards
- Transformers
- Interlock devices for circuit breakers

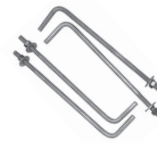
## Options

- 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



Pad-mount bases available for all pedestal sizes, inquire with your representative for details.



**CP-ABK5/8**  
Anchorbolt kit  
(includes four 5/8 - 13 x 18" anchorbolts)



**105J**  
Fifth Terminals kit for use with ring type meter sockets



**K3865**  
Fifth Terminals 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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# Power Distribution & Controls

## Mains Load Center Commercial Pedestals | 1Ø3-wire 120/240V or 208Y/120V

*Application: Remote site service for multiple loads*

**Milbank Mains 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 mains breaker.
- Standard units are equipped with 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 Terminals 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 mains circuit breaker, 20 (125 or 200 Amps model) or 14 (100 Amps model) blank breaker spaces and a circuit directory to document configuration.



Stocked Pedestals*	Optional Fifth Terminal Kit	Mains CB		Load Center Circuits	Meter Socket Type
		Amp	Spaces		
CP3B51115A22	K3865	100	1,2	16	Ringless socket with lever bypass
CP3B52119A22	K3865	200	1,2,3,4	24	Ringless socket with lever bypass

### Notes

- Chart shows standard, stocked items. Other options and features are available. Contact factory for options, details and availability.

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**CP3B "SL" Series***Switched Load Center Series**1Ø3-wire 120/240V or 208Y/120V*

Milbank's Switched Load Center Commercial Pedestals are 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.

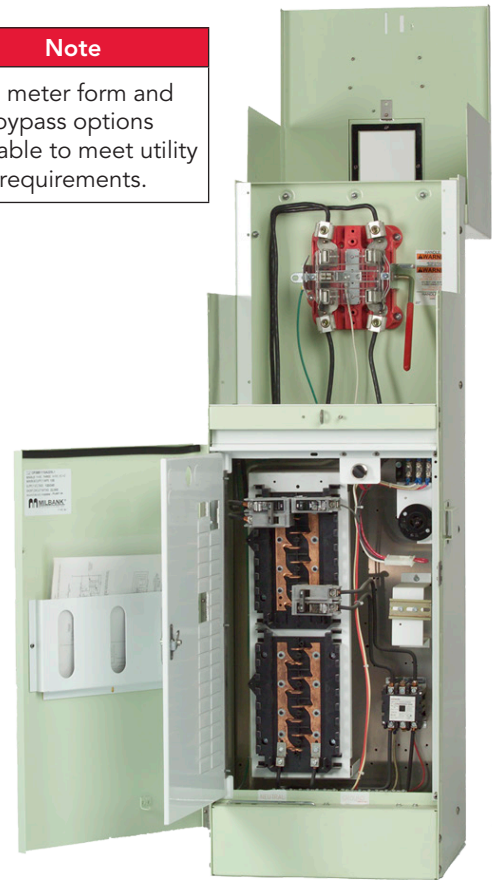
**Features**

These units include everything required for remote site service:

- NEMA 3R construction.
- Expandable: load centers allow for future expansion without costly modifications.
- All units feature 200 amp 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 mains circuit breaker, a control power circuit breaker, a switched load center mains breaker, nine (125 or 200 amp model) or 11 (100 amp model) blank breaker spaces and a circuit directory to document configuration.

**Note**

All meter form and bypass options available to meet utility requirements.

**CP3B11110A22SL1****Typical Applications**

Traffic signals, parking lots, highways & athletic field lighting

Stocked Pedestals*	Optional Fifth Terminal Kit	Mains CB		Contactor amperage	Meter Socket Type
		Amp	Spaces		
CP3B51110A22SL1	K3865	100	1,3	60	Ringless socket with lever bypass
CP3B52110A22SL1	K3865	200	1,2,3,4	100	Ringless socket with lever bypass

**Notes**

- Chart shows standard, stocked items. Other options and features are available. Contact factory for options, details and availability.



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## 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 including:

- Choice of a single mains 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 a secondary residence, on-site business, workshop, irrigation, lighting, security or other secondary load.

### Features

These units include everything required for remote service:

- Mains circuit breaker or dual service disconnects.
- Expandable: load center units that 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.
- 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.

### Applications



Commercial Job Sites



Remote Site for  
Residential and  
Commercial Job Sites

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# Commercial Pedestals

## CP3B "IR" Irrigation Control Series



CP3B0281UMWIR04

**Milbank's "IR" Series Irrigation Pedestals** install quickly and simply – often in less than an hour with a single technician—a fraction of the time typically needed for strut farm and other installation set ups. Additionally, the pedestal comes pre-wired, so the technician simply drops in the pre-drilled concrete box pad, fastens the pedestal and runs the wires. Prewired landing lugs are provided in a separate utility side so that there is no more need to wrestle with hard-to-bend wires. Simply run the utility wire up and land on the lugs. With both the motor starter and disconnect in the same enclosure, all the controls are housed in a safe, lockable pedestal that protects against vandalism and energy theft.

### Features

- 3Ø4W, 480Y/277V
- One technician can install in under an hour with use of Milbank's pre-drilled box pad
- All units are UL-listed and service entrance rated
- Fused disconnect with accessible handle through the deadfront
- HOA and push button start
- Separate accessible utility side with pre-wired landing lugs
- NEMA rated starters (sizes 1-5)
- Soft start units sizes 30HP-150HP
- 30 amp fuse block for pivot pre-wired in the unit
- White powder coated paint finish helps keep components cooler
  - Options include:
    - Hour meter
    - Chemical injection receptacle
    - Multiple injection receptacle
    - Multiple 30A fuse blocks possible

### Typical Applications

Power pedestal for irrigation systems or other pump control applications.

Stocked Pedestals	Exterior Cabinet	NEMA Rating
CP3B0281UMWIR04	White	4
CP3B0281UMWIR03	White	3
CP3B0181UMWIR02	White	2

### Notes

- Chart shows standard, stocked items. Other options and features are available. Contact factory for options, details and availability.



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## CP3B "BBS" Battery Backup Series



CP3B5111TCAWSP1

### Typical Applications

Metered emergency uninterrupted power for traffic intersections, wireless, phone and communications equipment, parking lots, camera and security locations

**Milbank's BBS Series Commercial Pedestals** are 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 non-metered 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 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

- NEMA 3R construction
- 100 through 320 amp 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 padlockable)

### Options

- Manual bypass switch
- Transfer switch for generator power back-up
- Generator inlet receptacles 30A through 200A
- Padlockable provision for receptacles
- Police access door
- Metered load center distribution
- Non metered load center distribution
- Photo electric controls (for street lighting)
- Time clocks
- HOA switches
- Contactors
- GFI duplex receptacles
- Thermostat for heating control
- Heating pads or elements
- Roll out shelves for batteries
- Surge arrestors and lighting arrestors

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Power transfer commercial pedestals provide metered or unmetered AC power, distribution, surge suppression, mechanical interlock and standby generator receptacles — in one 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.



### Applications



Traffic Signals



Pump and Lift  
Stations



Communications  
Power Distribution



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## 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 480V three phase.

### Features

- Available configurations up to 800 Amps.
- All utility equipment is isolated in separate padlockable and sealable compartments.
- Separate customer compartment designed to hold distribution and control equipment.
- Deadfront customer construction for enhanced safety measures.
- A mounting base option for various applications.
- Optional construction in steel, aluminum and stainless steel.

### Note

- May require customization based on regional requirements.

### Applications



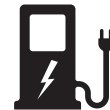
Commercial &  
Industrial Control  
Systems



Pump and Lift  
Stations



Water Treatment  
Plants



Electric Vehicle  
Charging Stations

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

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

### Features

- Available for 100 or 200 Amps.
- Vandal-resistant, secure and attractive design.
- Customer compartment with distribution and control equipment with swing deadfront 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.
- Slim design creates a smaller 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 is between 120V and 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 anchorbolts required.
- Powder coated G90 galvanized steel or aluminum; raw, anodized or powder coated, as well as stainless steel exterior options.



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



### Notes

- May require customization based on regional requirements.
- Direct bury pedestals are only available for 12" pedestals. Constructed with 14-gauge steel.



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*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.

### NEMA 3R Enclosures

Milbank's NEMA 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, push-button 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

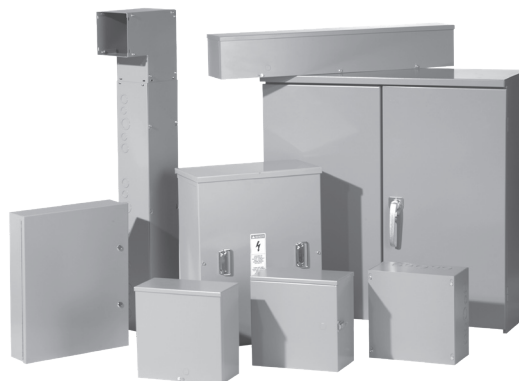
Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against access to hazardous parts; protect equipment against falling dirt and windblown dust; protect against rain, sleet, snow, splashing water, and hose directed water; and is resistant to damage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

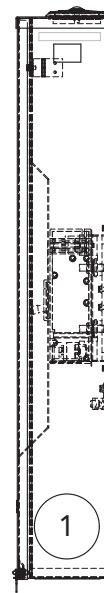
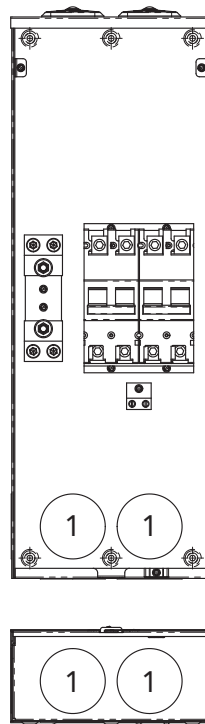


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U6064-XTL-200-200



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
- NEMA 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 mains breaker.



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# Circuit Breakers

29

UQFP Plug-In and UQFB Bolt-On Series | 120/240V



UQFP  
UQFPH



UQFP-M  
UQFPH-M



UQFB-X1



UQFB-X



UQFB

200 Amps Frame | Plug-In | 10,000 AIC and 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 Amps Frame | Bolt-On | 10,000 AIC and 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

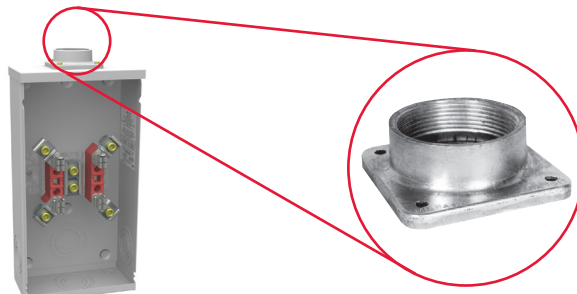
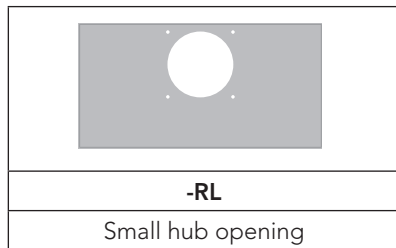
- **UL-listed:** For use with 60°C or 75°C wire.
- **UQFP:** For parallel mains circuit breaker applications.
- **UQFP-M:** For series mains circuit breaker applications Split load tab features allow for feed-through capability.
- **UQFB:** (2) 1/0-300 lugs provided on load and line side (cable-in, cable-out).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





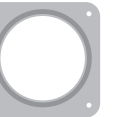

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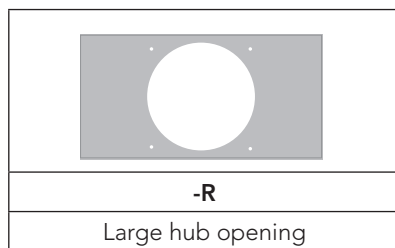


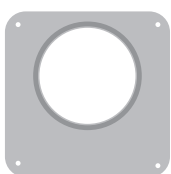
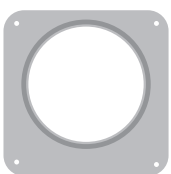
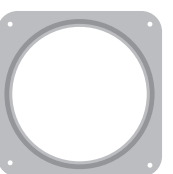
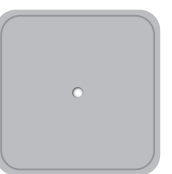
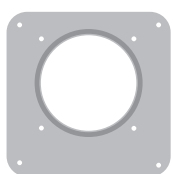
# Accessories

## Hubs and Closing Plates



											
-WL	A7514	-YL	A7515	-ZL	A7516	-DL	A7517	-EL	A7518	-XL	A7551
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	

# Accessories

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## Connector Kits, Closing Kits and Sealing Rings



### Connector Kits | For Use with 3/8"-16 Studss 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

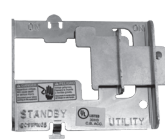
### Bypass Link



### Closing Covers

	
Meter Closing Plate (Ring Type / Ringless)	Metal Closing Plate (For Ringless Sockets)
<b>6003</b> - Gray Plastic	<b>CP-21</b>
<b>6116</b> - Clear Plastic	
<b>6002</b> - Clear/Bladed	Meter Closing Plate

### Generator Interlock


<b>K5815</b> - large QN with small frame Q
<b>K5820</b> - large frame QN with large frame QN
<b>K5830</b> - small frame Q to small frame Q

### Sealing Rings

	
<b>MR-2</b> - Snap Action	<b>MR-4</b> - Screw Type (Stainless Steel)
<b>MR2-SS</b> - Stainless Steel	

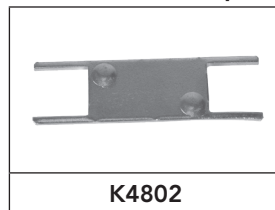
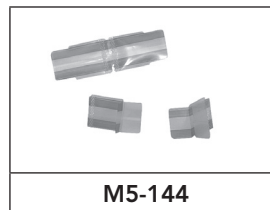
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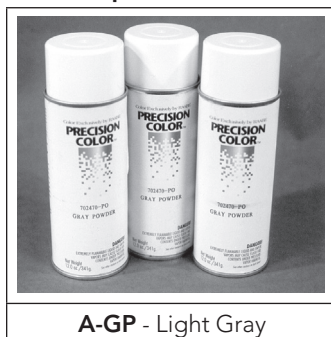
*Fifth terminal and Tap Connectors***Fifth terminal**

			
<b>5T8K2</b> - 100-200 Amps "Plug-In"	<b>K5T</b> - 200 Amps (Block with Square Hole)	<b>K3865</b> - Heavy Duty Jaw Clamping ( <b>K3866</b> without Neutral Wire)	This is for Condo metering banks (125-200 Amps) <b>K2381</b>

**Isolated Neutral Kit****Anti-Inversion Clip****Disconnect Sleeve****Triplex Ground**

\*Isolated neutrals are specific to the meter socket. Consult factory for correct isolated neutral.

\*Disconnect sleeves not to be used with lever bypass sockets.

**Touch-Up Paint**



# Energization of Electrical Equipment

33

## 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

1. Use caution and follow established safety procedures:
  - a) Wear safety apparel.
  - b) Use safety equipment.
  - c) Take action to prevent injury to yourself and others in the event of failure of the installation.
  - d) Take action to prevent/decrease damage to property in the event of failure of the installation.
  - e) If you are unsure how to safely energize the installation, get someone who is knowledgeable to do it.

### After Energizing

1. Secure the installation:
  - a) To prevent accidental contact with energized parts, cover all openings with approved filler devices.
  - b) To prevent unauthorized access, secure all covers and/or doors with approved security devices.
  - c) 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

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### 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 and 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 and 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 Fastners

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Zinc-coated with a chromate dip.

### Ratings and Compliance

#### Ratings and Compliance

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All Milbank electrical enclosures in this catalog are rated "NEMA 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).



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Symbols		M			
5T8K2.....	32	M5-144.....	32	UQFB-125.....	29
6002.....	31	MR-2.....	31	UQFB-125-X1.....	29
6003.....	31	MR2-SS.....	31	UQFB-150.....	28, 29
6116.....	31	MR-4.....	31	UQFB-150-X1.....	29
				UQFB-175.....	29
				UQFB-175-X1.....	29
				UQFB-200.....	28, 29
				UQFB-200-X1.....	29
				UQFBH-100.....	29
				UQFBH-125.....	29
				UQFBH-150.....	29
				UQFBH-175.....	29
				UQFBH-200.....	29
				UQFBH-M-100.....	29
				UQFBH-M-125.....	29
				UQFBH-M-150.....	29
				UQFBH-M-175.....	29
				UQFBH-M-200.....	29
				UQFP-100.....	29
				UQFP-125.....	29
				UQFP-150.....	29
				UQFP-175.....	29
				UQFP-200.....	29
				UQFPH-100.....	29
				UQFPH-125.....	29
				UQFPH-150.....	29
				UQFPH-175.....	29
				UQFPH-200.....	29
				UQFPH-M-100.....	29
				UQFPH-M-125.....	29
				UQFPH-M-150.....	29
				UQFPH-M-175.....	29
				UQFPH-M-200.....	29
				UQFP-M-100.....	29
				UQFP-M-125.....	29
				UQFP-M-150.....	29
				UQFP-M-175.....	29
				UQFP-M-200.....	29

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