MILBANK®
ENERGY AT WORK

PSE&G
LONG ISLAND

Meter Mounting Equipment

Meter mounting equipment approved for use within the PSEandG Long Island utility service area.

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 enclosed controls. Founded in 1927, Milbank is a family-owned, American manufacturer headquartered in Kansas City, Mo. For more information, please visit milbankworks.com.

Metering

Milbank has been a market leader in electrical metering equipment, setting the standard in quality, for 95 years and counting. There are hundreds of available configurations, including a range of sizes as well as various knockout, terminals and bypass options. Products also have a variety of selections for 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, wireways and troughs. Enclosures are designed to meet or exceed industry standards. Each one is constructed with high-quality materials and built with superior craftsmanship. Each unit is engineered to protect controls and equipment from dust, dirt and other harmful elements, based on various NEMA ratings.

Enclosed Controls

Milbank doesn't just build empty enclosures, we can design and craft the entire package. Our enclosed controls are custom control equipment, engineered and built to your exact specifications. Milbank enclosed 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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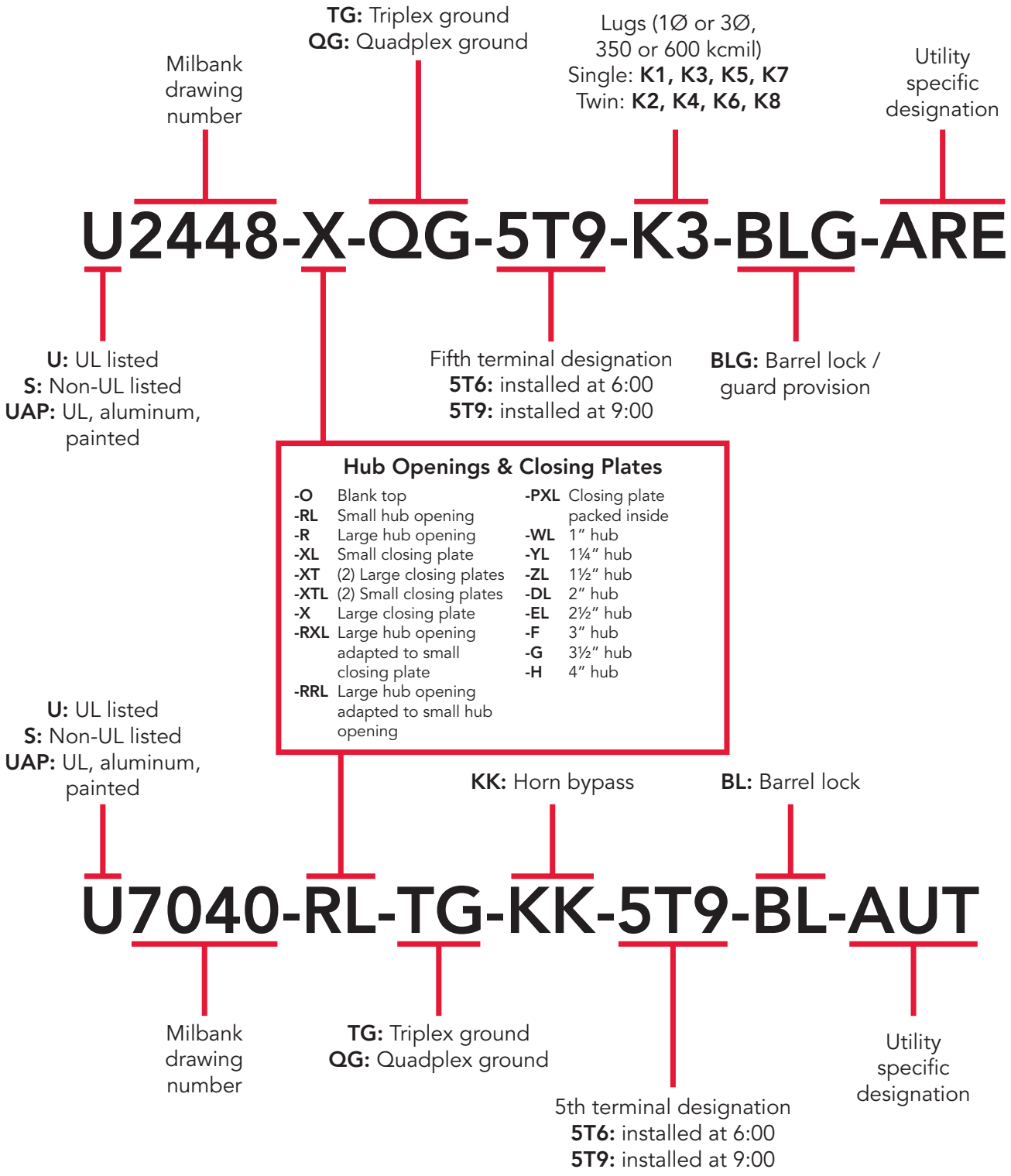
Catalog Number Logic

How our Product Catalog Numbers are Derived



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Air Conditioner Disconnects

30-60 Amps

U3802

U3812

U3832

Milbank's air conditioner disconnect features a removable hinged cover for easy installation. Our compact design meets NEC wiring space requirements and also complies with NEC Article 440-14. To ensure safe working conditions, our disconnect pullers can be removed and reinstalled in the OFF position. Additionally, padlock provisions are included on the front cover. Like other Milbank products, our enclosure is constructed of G90U galvanized steel and electrostatically finished with an attractive, light gray baked powder coating. Our epoxy/polyester resin blend provides a durable and fade-resistant finish.

30-60 Amps | 1Ø 240V

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	2⅛	5	7	60°/75°	60°
U3862	60	Fusible	10	3.3	#14-#3	#14-#3	#14-3	2⅛	5	9	60°/75°	60°/75°

Notes

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

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Air Conditioner Disconnects

60 Amps | With 20 Amps GFCI Receptacle

U3822-20GWR

Specifications

- Meets NEC #210.63 requirements
- UL listed as Power Outlet
- Type 3R weather resistant
- In-use cover*
- Duplex ground connector
- One-inch concentric knockouts
- 1Ø, 240 volt
- 60 Amps, non-fused
- 20 Amps GFCI receptacle
- Reset/test button
- 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	4⅘	5¼	7⅗	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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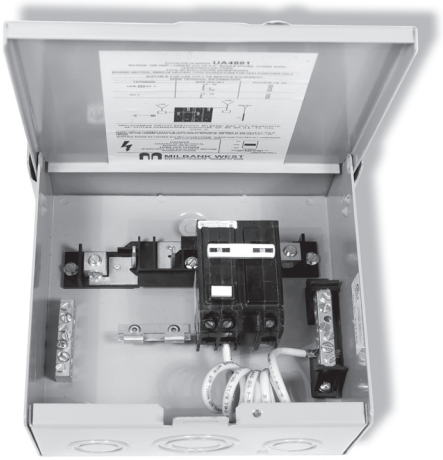
Hot Tub Disconnects

Type 3R Enclosures



U4881-O-50GB

U4881-O-60GB

Specifications

- 240 volt ground fault protection
- UL listed
- Type 3R weather resistant
- 2-pole, 50 or 60 Amps 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 Amps 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"
U4881-O	—	Breaker Provision	7	#14-1/0	#14-1/0	#14-1/0	3¾	7½	8½
U4881-O-50GB	50	Breaker	8	#14-1/0	#14-1/0	#14-1/0	3¾	7½	8½
U4881-O-60GB	60	Breaker	8	#14-1/0	#14-1/0	#14-1/0	3¾	7½	8½

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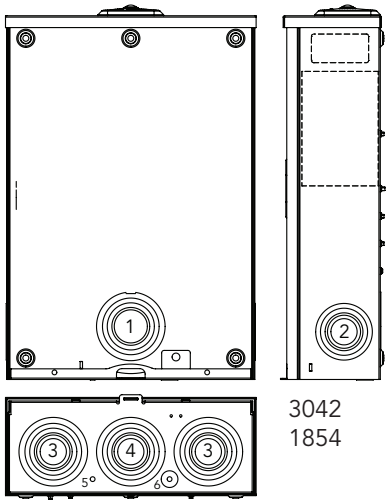
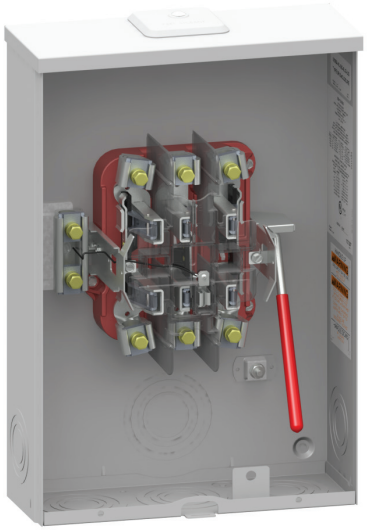
Single Position Sockets

200 Amps | 5-7 Terminals | Ringless | 600V

U3042-XL-QG-BLG-LIS



3042
1854



U1854-XL-QG-BLG-LIS

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

Catalog Number	Amps	Hub	Service	Connectors		Dimensions			Knockouts					
				Line	Load	D"	W"	H"	1	2	3	4	5	6
U3042-XL-QG-BLG-LIS	200	C.P.	OH/UG	#6-350 kcmil	#6-350 kcmil	4⅞	13	19	3	2½	3	3	¼	¼, ½

Notes

- **Hubs:** For proper hub selection see the hub suffix chart on the accessories page.
- **Bypass:** Lever on the **U3042** supplies clamping action on meter spades and also operates bypass device.
- **Insulated neutral:** To order field-installed insulated neutral, order part number **K1047.**
- **Barrel lock (-BLG):** Has provision for barrel lock with guard
- To meet NEC approval, use disconnect on page 31.

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

Catalog Number	Amps	Hub	Service	Connectors		Dimensions			Knockouts					
				Line	Load	D"	W"	H"	1	2	3	4	5	6
U1854-XL-QG-BLG-LIS	200	C.P.	OH/UG	#6-350 kcmil	#6-350 kcmil	4⅞	13	19	3	2½	3	3	¼	¼, ½

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.
- **Insulated neutral:** To order field-installed insulated neutral, order part number **K1047.**
- **Barrel lock (-BLG):** Has provision for barrel lock with guard.
- To meet NEC approval, use disconnect on page 31.

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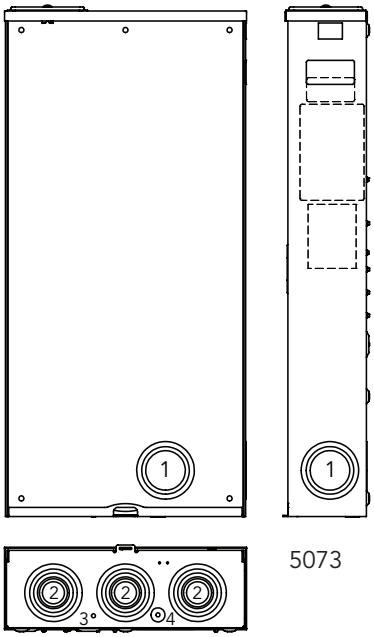
Single Position Sockets

320 Amps | 5 Terminals | Ringless | 600V



5073

U5073-X-K3L-K2L-LIS

320 Amps | 5 Terminals | Ringless | Lever Bypass | 1Ø3W

Catalog Number	Service	Hub	Connectors		Dimensions			Knockouts					
			Line	Load	D"	W"	H"	1	2	3	4	5	6
U5073-X-K3L-K2L-LIS	OH/UG	C.P.	#4-600 or (2) 1/0-250	(2) #6-350	4⅞	15	31½	3	3	¼	¼, ½	-	-

Notes

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

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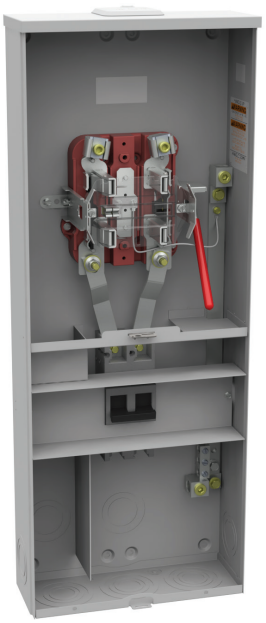
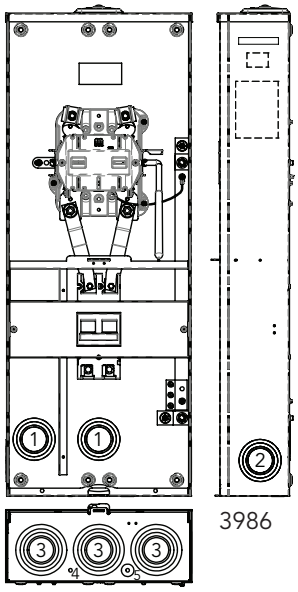
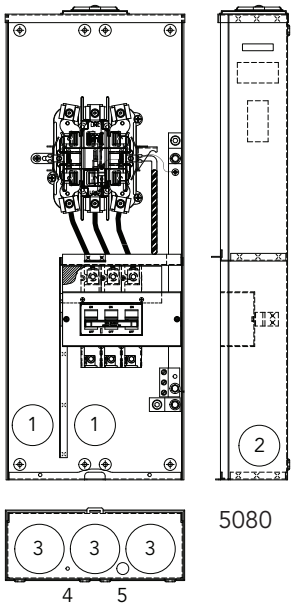
Single Position Sockets

100-200 Amps | 5-7 Terminals | Ringless | NEC 2020 Compliant







U3986-XL-200-LIS

U5080-RXL-200-LIS

100-200 Amps | 5 Terminals | Ringless | Lever Bypass | With Main Breaker

Catalog Number	Amps	Hub	Service	Connectors		Bypass	Dimensions			Knockouts				
				Line	Load		D"	W"	H"	1	2	3	4	5
U3986-XL-100-LIS	100	C.P.	OH/UG	#6-350 kcmil	#3-#1 CU #1-1/0 AL	Lever	4⅞	13	34	2½	2½	3	¼	¼,½
U3986-XL-150-LIS	150	C.P.	OH/UG	#6-350 kcmil	1/0-300 CU 2/0-300 AL	Lever	4⅞	13	34	2½	2½	3	¼	¼,½
U3986-XL-200-LIS	200	C.P.	OH/UG	#6-350 kcmil	1/0-300 CU 2/0-300 AL	Lever	4⅞	13	34	2½	2½	3	¼	¼,½

200 Amps | 7 Terminals | Ringless | Lever Bypass | With Main Breaker

Catalog Number	Amps	Hub	Service	Connectors		Bypass	Dimensions			Knockouts				
				Line	Load		D"	W"	H"	1	2	3	4	5
U5080-RXL-200-LIS	200	C.P.	OH/UG	#6-350 kcmil	1/0-300 CU 2/0-300 AL	Lever	4⅞	13	34	2½	2½	3	¼	¼,½

Notes

- **Hubs:** All units come with two closing plates. To order additional hubs, refer to hub chart on accessories page.
- **Lever bypass:** The lever operates bypass device and supplies clamping action to meter spades.
- **Connectors:** Line wire sections are supplied with #6-350 kcmil lay-in connectors.
- **Breaker: U3986** has factory-installed double pole Milbank **UQFB-100-X1, UQFB-150-X1** or **UQFB-200-X1** main breaker. **U5080** has factory-installed, three-pole Milbank **UQFB-3200** main breaker.

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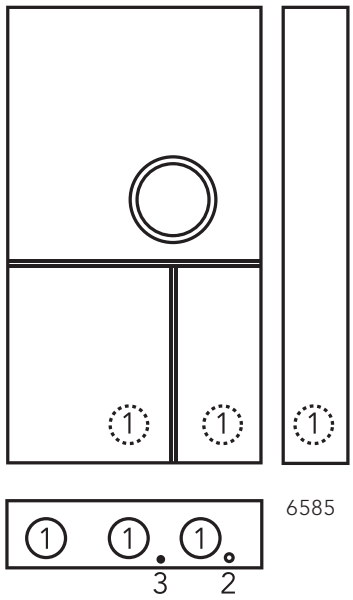
Single Position Sockets

320 Amps | 4 Terminals | Ringless | NEC 2020 Compliant

U6585-X-2/150-K3L-LIS



320 Amps | 4 Terminals | Ringless | Lever Bypass | With Main Breaker

Catalog Number	Amps	Hub	Service	Connectors		Bypass	Dimensions			Knockouts		
				Line	Load		D"	W"	H"	1	2	3
U6585-X-2/150-K3L-LIS*	320	C.P.	OH/UG	#4-600 (2)1/0-250	1/0-300 CU 2/0-300 AL	Lever	4 27/32	20½	45	3	¼	¼,½

Notes

- **Hubs:** All units come with two closing plates. To order additional hubs, refer to hub chart on accessories page.
- **Lever bypass:** The lever operates bypass device and supplies clamping action to meter spades.

*Pending utility approval.

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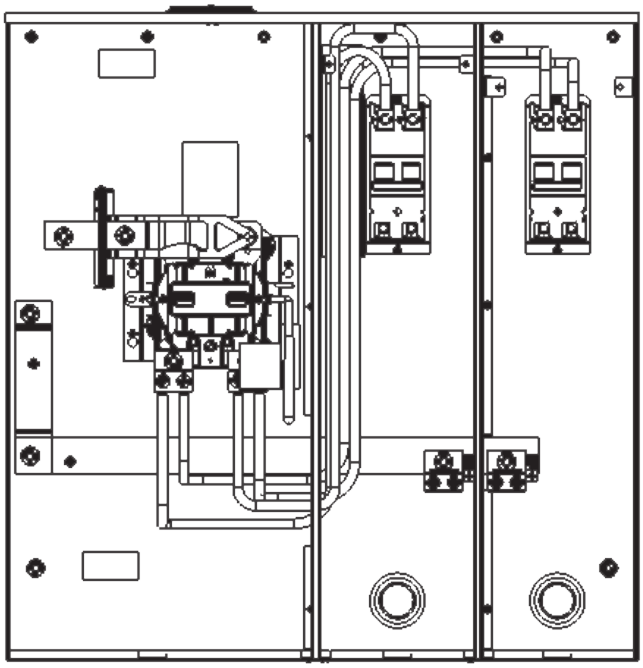
Meter Mains With Lever Bypass

320 Amps | 5 Terminals | Ringless | NEC 2020 Compliant



320 Amps | 5 Terminals | Ringless | Lever Bypass | With Main Breakers

Catalog Number	Amps	Hub	Service	Connectors		Bypass	Dimensions			Knockouts		
				Line	Load		D"	W"	H"	1	2	3
U6604-X-2/150-5T9-K3L-LIS*	320	C.P.	OH/UG	#4-600 (2)1/0-250	1/0-300 CU 2/0-300 AL	Lever	6	34	35	3	¼	¼,½

Notes

- **Hubs:** Unit comes with closing plate. To order additional hubs, refer to hub chart on accessories page.
- **Lever bypass:** The lever operates bypass device and supplies clamping action to meter spades.

*Pending utility approval.

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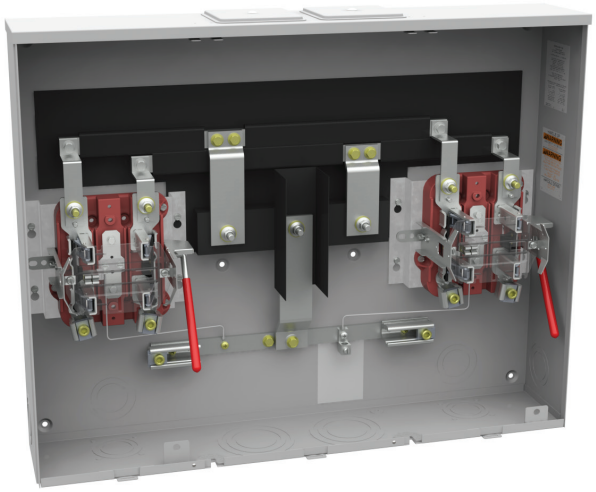
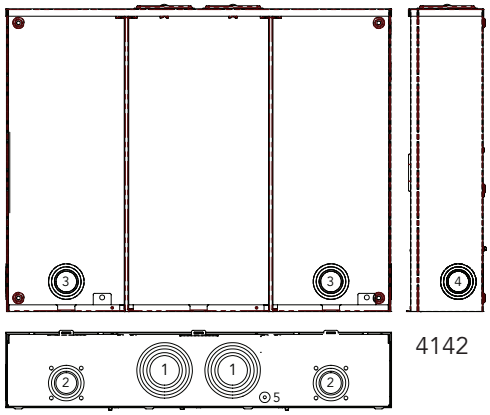
Multi-Position Sockets

100/200 Amps | 5 Terminals | Ringless | 600V



U4142-XT-LIS



4142

100/200 Amps Per Position | 5 Terminals | Residential/Commercial

Catalog Number	Amps	No. of Pos.	Hub	Service	Connectors		Bypass	Dimensions			Knockouts				
					Line	Load		D"	W"	H"	1	2	3	4	5
U4142-XT-LIS	100/200	2	C.P.	OH/UG	3/8 x 16" Studss	#6-350 kcmil	Lever	6	32⅛	25¼	4	2½	2½	2½–	¼, ½
U4143-XT-LIS	100/200	3	C.P.	OH/UG	3/8 x 16" Studss	#6-350 kcmil	Lever	6	42³⁄₁₆	25¼	4	2½	2½	2½	¼, ½
U4144-XT-LIS	100/200	4	C.P.	OH/UG	3/8 x 16" Studss	#6-350 kcmil	Lever	6	52¼	25¼	4	2½	2½	2½	¼, ½

Notes

- **Hubs:** All units come with two closing plates. To order additional hubs, refer to hub chart on accessories page.
- **Lever bypass:** The lever operates bypass device and supplies clamping action to meter spades.
- **Connectors:** For single lug connector kits, order **K1539** for 350 kcmil or **K1540** for 600 kcmil. For twin lug connectors, order **K1350** for 350 kcmil or **K1541** for 600 kcmil.
- To meet NEC approval, use disconnect on page 31. One disconnect per meter position.

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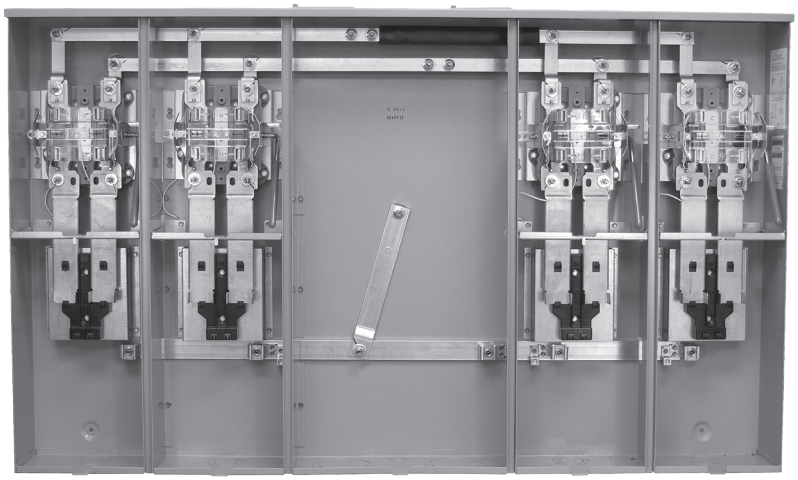
Multi-Position Meter Mains

200 Amps | 4 Terminals | Lever Bypass | 22K AIC Rated | 240V

NEC 2020 Compliant



U5974-XT

200 Amps | 4 Terminals | Ringless | Lever Bypass | NEC 2020 Compliant

Catalog Number	Amp	Positions	Service	Hub	Connectors CU/AL	Bypass	Dimensions		
					Line		D"	W"	H"
U5972-XT-LIS-BLG	200	2	OH/UG	(2) C.P.	⅜" x 16 Studs	Lever	5 31/32	36⅜	34
U5973-XT-LIS-BLG	200	3	OH/UG	(2) C.P.	⅜" x 16 Studs	Lever	5 31/32	46½	34
U5974-XT-LIS-BLG	200	4	OH/UG	(2) C.P.	⅜" x 16 Studs	Lever	5 31/32	57 1/16	34
U5975-XT-LIS-BLG	200	5	OH/UG	(2) C.P.	⅜" x 16 Studs	Lever	5 31/32	67⅛	34
U5976-XT-LIS-BLG	200	6	OH/UG	(2) C.P.	⅜" x 16 Studs	Lever	5 31/32	77 9/16	34

Notes

- **Hubs:** All units come with two closing plates. To order additional hubs, refer to hub chart on accessories page.
- **Connectors:** For single lug connector kits, order **K1539** for 350 kcmil or **K1540** for 600 kcmil. For twin lug connectors, order **K1350** for 350 kcmil or **K1541** for 600 kcmil.
- **Lever bypass:** The lever operates bypass device and supplies clamping action to meter spades.
- **Breakers:** Units have provision for (1) double pole main per meter position. **Breakers NOT included** – order as extra. See chart below.

Breaker Chart

Rating kAIC	Circuit Breaker 125A
10	Siemen: QP Cutler-Hammer: BR, HQP, QPGF Square-D: Homeline GE: (50A max) THQL, THQL-GF
22	Siemens: QPH
150-200 Amp	
10	Siemens: QN
22	Siemens: QNH

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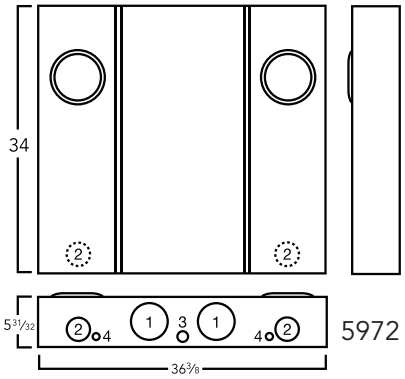
Multi-Position Meter Mains

U5972–U5976 Series | Knockout Information

Knockouts			
1	2	3	4
4	2½	1	½



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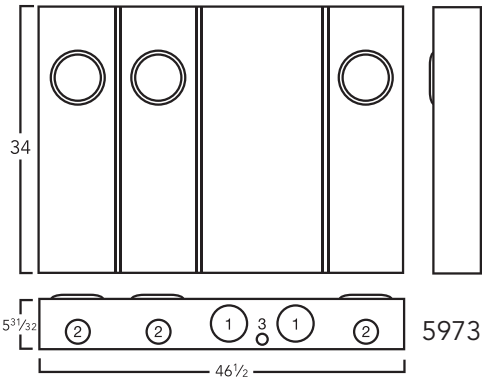

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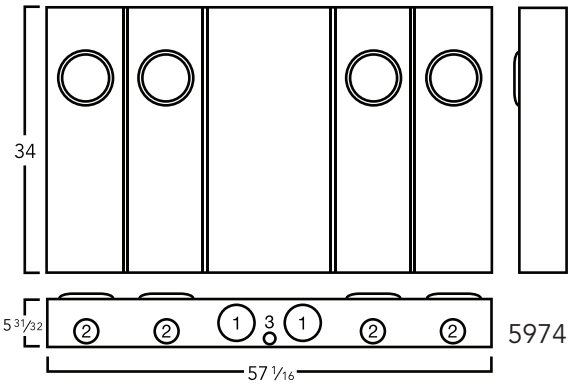

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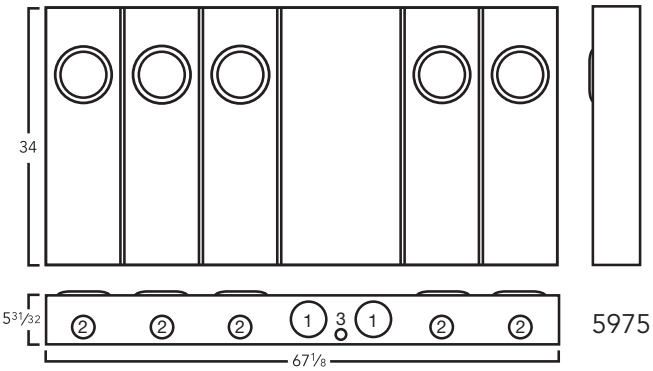

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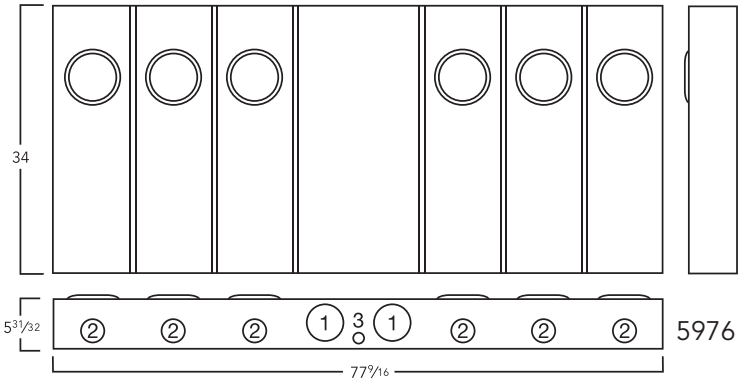

5976

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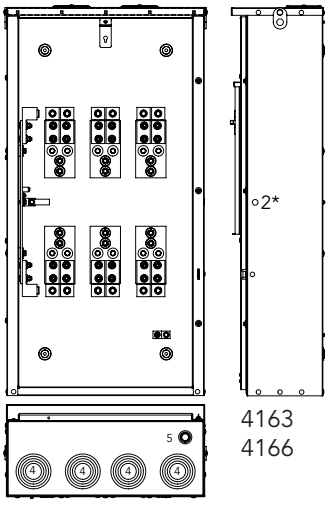
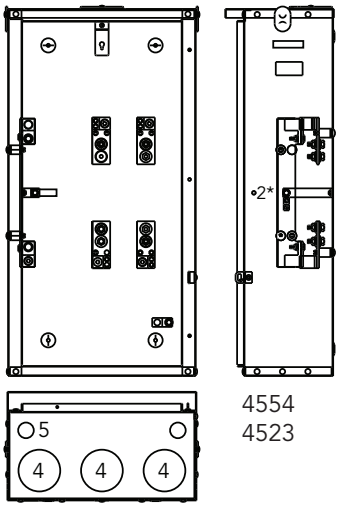
MILBANK
ENERGY AT WORK

Transformer Rated

200/400/800 Amps | Trans-S Cabinets

U4166-XT-Z21-LI





U4163-XT-11-LI

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

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

Catalog Number	Term	Phase	Hub	Amps	Connectors		Dimensions			Knockouts				
					Line	Load	D"	W"	H"	1	2	3	4	5
U4554-X-Z21-LI	6	1Ø	C.P.	200/400	See Note*	#4-600 kcmil	10	21	41	–	⅜	–	4	1¼
U4166-XT-Z21-LI	6	1Ø	C.P.	400/800	(2) #4-600 kcmil or (4) 1/0-250 kcmil	(2) #4-600 kcmil or (4) 1/0-250 kcmil	10	26	51	–	⅜	–	4	1¼
U4523-X-Z11-LI	13	3Ø	C.P.	200/400	See Note*	#4-600 kcmil	10	21	41	–	⅜	–	4	1¼
U4163-XT-11-LI	13	3Ø	C.P.	400/800	(2) #4-600 kcmil or (4) 1/0-250 kcmil	(2) #4-600 kcmil or (4) 1/0-250 kcmil	10	26	51	–	⅜	–	4	1¼

Notes

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

- **Connectors:** To convert **U4554** and **U4523** to twin 350 kcmil connectors, order designated connector kits. Each connector kit contains one bus and assembly- quantity is product-specific. For **U554** order four K1351 kits, for U4523 order five K1351 kits. Order **K1351** kit for converting connectors in **U4554** and **U4523** to twin 350 kcmil. Kit contains one bus and connector assembly, order necessary quantity for equipment to be used in. **U4554** requires 4 and **U4523** requires 6.
- **Lugs provided:** Rated up to single 600 kcmil - #4 awg.
- **Short circuit current:** Short circuit current withstand capability is 50K symmetrical Amps.
- **CT mounting:** Furnished with 1/2" - 13 studs, washers and hex nuts with conical sems for CT mounting.

200/400 Amps | Metered | Trans-S Cabinet | 1Ø3W or 3Ø4W | OH/UG Service | 600V

Catalog Number	Term	Phase	Hub	Connectors		Bypass	Dimensions			Knockouts				
				Line	Load		D"	W"	H"	1	2	3	4	5
U4554-X-Z21-K6SP-LI	6	1Ø	C.P.	(2) #6-350	(2) #6-350	None	10	21	41	–	⅜	–	4	1¼
U4523-X-Z11-K6SP-LI	13	3Ø	C.P.	(2) #6-350	(2) #6-350	None	10	21	41	–	⅜	–	4	1¼

MILBANK ENERGY AT WORK

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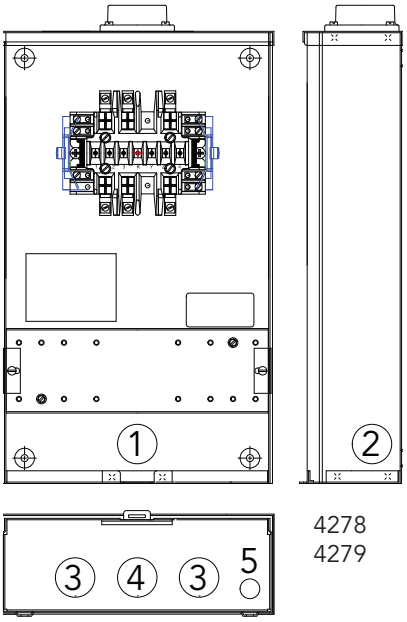
Transformer Rated

20 Amps | CT Rated Socket



4278
4279

UC4278-XL-21-LI

UC4279-XL-21-LI

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

Catalog Number	Phase	Term	Hub	Connectors CU/AL	Bypass	Dimensions			Knockouts					
						D"	W"	H"	1	2	3	4	5	6
UC4278-XL-21-LI	1Ø	6	Blank	#14-#2 MAX	None	4⅛	12	20	1¼	1¼	1¼	1¼	¼, ½	–
UC4279-XL-21-LI	3Ø	13	Blank	#14-#2 MAX	None	4⅛	12	20	1¼	1¼	1¼	1¼	¼, ½	–

* These units are prewired per *LIPA* specifications.

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MILBANK
ENERGY AT WORK

LIPA Approved Enclosed Controls

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

LIPA has approved Milbank enclosed controls the following UL508A units. Catalog numbers are examples only. For full catalog numbers please contact your local rep agency.

Example Product Numbers for LIPA Approved under UL508A

Catalog Number	Amps	Phase	Enclosure	Service Type	Deminsions		
					D"	W"	H"
CP3B511xxAxLIS	100	1Ø	A 16	UG	17	16	48
CP3B511xxBxLIS	100	1Ø	B 24	UG	17	24	48
CP3B511xxKxLIS	100	1Ø	K 32	UG	20	32	60
CP3B511xxDxLIS	100	1Ø	D 44	UG	24	44	60
CP3B521xxAxLIS	200	1Ø	A 16	UG	17	16	48
CP3B521xxBxLIS	200	1Ø	B 24	UG	17	24	48
CP3B521xxKxLIS	200	1Ø	K 32	UG	20	32	60
CP3B521xxDxLIS	200	1Ø	D 44	UG	24	44	60
CP3B541xxAxLIS	320	1Ø	A 16	UG	17	16	48
CP3B541xxBxLIS	320	1Ø	B 24	UG	17	24	48
CP3B541xxKxLIS	320	1Ø	K 32	UG	20	32	60
CP3B541xxDxLIS	320	1Ø	D 44	UG	24	44	60
CP3B515xxAxLIS	100	3Ø	A 16	UG	17	16	48
CP3B515xxBxLIS	100	3Ø	B 24	UG	17	24	48
CP3B515xxKxLIS	100	3Ø	K 32	UG	20	32	60
CP3B515xxDxLIS	100	3Ø	D 44	UG	24	44	60
CP3B525xxAxLIS	200	3Ø	A 16	UG	17	16	48
CP3B525xxBxLIS	200	3Ø	B 24	UG	17	24	48
CP3B525xxKxLIS	200	3Ø	K 32	UG	20	32	60
CP3B525xxDxLIS	200	3Ø	D 44	UG	24	44	60
CP2B51xxxxxxLIS	100	1Ø	Control Surface-mount	OH/UG	6	15	41
CP2B52xxxxxxLIS	200	1Ø	Control Surface-mount	OH/UG	6	15	41
CP3FC21xxxxxxxLIS	200	1Ø	CT Rated	UG	27	46	64
CP3FC41xxxxxxxLIS	400	1Ø	CT Rated	UG	27	46	64
CP3FC61xxxxxxxLIS	600	1Ø	CT Rated	UG	27	46	64
CP3FC81xxxxxxxLIS	800	1Ø	CT Rated	UG	27	46	64
CP3FC25xxxxxxxLIS	200	3Ø	CT Rated	UG	27	46	64
CP3FC45xxxxxxxLIS	400	3Ø	CT Rated	UG	27	46	64
CP3FC65xxxxxxxLIS	600	3Ø	CT Rated	UG	27	46	64
CP3FC85xxxxxxxLIS	800	3Ø	CT Rated	UG	27	46	64
CP3FC28xxxxxxxLIS	200	3Ø	CT Rated	UG	27	46	64
CP3FC48xxxxxxxLIS	400	3Ø	CT Rated	UG	27	46	64
CP3FC68xxxxxxxLIS	600	3Ø	CT Rated	UG	27	46	64
CP3FC88xxxxxxxLIS	800	3Ø	CT Rated	UG	27	46	64

MILBANK ENERGY AT WORK

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Enclosed Controls

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

Milbank enclosed controls are an alternative to unsightly and inefficient strut and backboard structures. Enclosed 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.

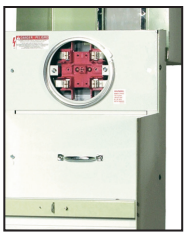
Strut and Backboard

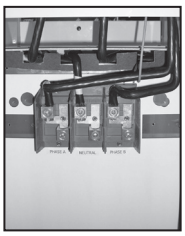
Commercial Pedestal

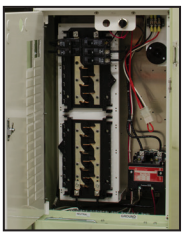
UL Listed as Industrial Control Equipment (File E113855)

Standard Features

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







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MILBANK
ENERGY AT WORK

Enclosed Controls

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



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.

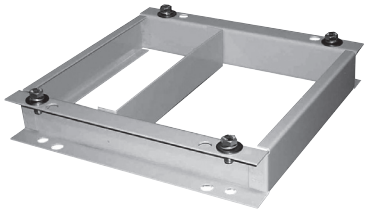
Available Factory-Installed Options

- Meter sockets: ring type or ringless, up to 400 Amps
- Main 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



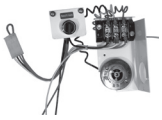
Pad-mount bases available for all pedestal sizes, inquire with your representative for details.

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

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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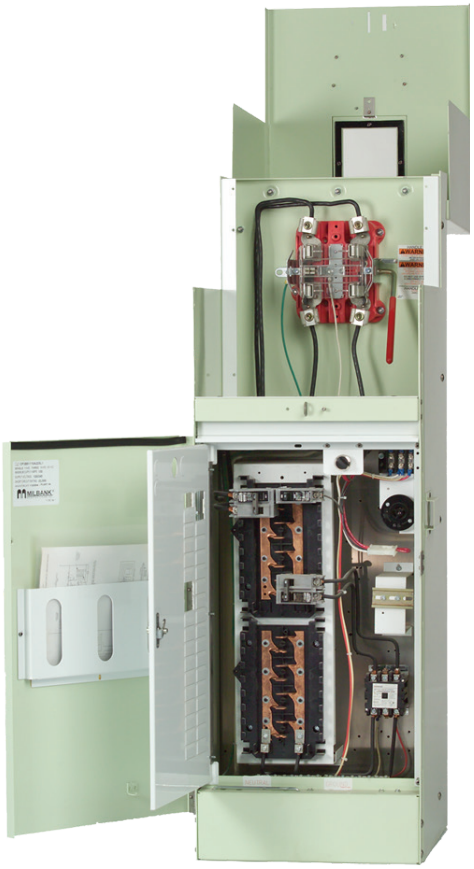
Enclosed Controls

Switched Load Center Commercial Pedestals

Switched Load Center Commercial Pedestals

1Ø3 wire 120/240V or 208Y/120V

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



Ringless Lever Bypass shown

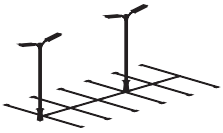
Features

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 control circuit including PE receptacle, Lexan® window, glare shield, Hand-Off-Auto (HOA) switch, contractor controlling a 16-circuit load center for controlled loads, a pre-mounted DIN rail and pre-wired connector to add an optional "plug-and-play" time clock kit for PE on and TC off operation and a circuit directory to document configuration.
- A load center for "always on" loads that includes a main circuit breaker, a control power circuit breaker, a switched load center main breaker, nine (125 or 200 Amps model) or 11 (100 Amps model) blank breaker spaces and a circuit directory to document configuration.

Applications

Traffic Signals



Parking Lots

Highways

Athletic Field Lighting

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MILBANK® ENERGY AT WORK

Enclosed Controls

400 Amps Commercial Pedestals

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

- Choice of a single main breaker or twin service disconnect breakers gives flexibility to the pedestal design.
- Optional distribution with feed-through lugs below the service disconnect breakers allows the pedestal to handle numerous applications.
- Typical applications include remote homes where the metering is best located at the curb sside 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:

- Main 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 Applications

MILBANK ENERGY AT WORK

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Enclosed Controls

Surface-Mount Compact Design

Surface-Mount Enclosed Controls

Originally developed for small cellular communications, the surfacemount enclosed control offers the flexibility of larger enclosed controls products with a smaller footprint and several mounting options.

Features

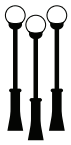
- Mounting options allow for easy installation.
- Overhead and underground entry and exit, all in one unit.
- Meter and components in one enclosure.
- Custom component configurations and UL-listing covers all internal components on the UL508A and UL891.
- Can be mounted on multiple surfaces including:
    - walls.
    - poles (narrow profile will have minimal extension past sides).
    - H frames (strut).
- Multiple bypass options available.
- Monitoring options available.
- Optional powder coating in Milbank standard EC color or custom color.

Benefits

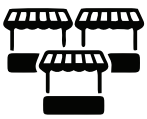
- Smaller footprint
- Flood resistant
- Eliminates need for connecting components
    - Wire in - Wire Out

Applications

Communications Power Distribution



Lighting Control



Streetscape Power Distribution

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MILBANK
ENERGY AT WORK

Enclosed Controls

Battery Backup Commercial Pedestals

Evergy utility requires a exposed meter in all units

This product is specifically designed to provide battery backup power to a variety of loads and to conditionally switch specific loads on and off. It can use a photoelectric cell or time clock to control lighting circuits. Battery backup pedestals have options for both metered and unmetered power distribution. These pedestals are highly versatile and can handle the vast majority of today's backup power requirements. Its 19" rack design allows for easy adjustment of shelves to accommodate batteries, DC to AC inverters, transfer switches and other related equipment.

Features

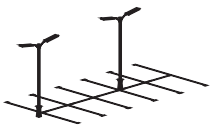
- Works with 100 through 320 Amps meter sockets with the option of either a ring type socket (conforms to EUSERC 308) with or without test/bypass blocks or a heavy duty ringless socket with lever bypass.
- Separate sealable utility termination compartment.
- An isolated separate customer section with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

Note

- May require customization based on regional requirements.

Applications

Camera and Security Locations



Parking Lots

Traffic Signals

Communications Power Distribution

Options

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

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Enclosed Controls

Power Transfer Commercial Pedestals

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.

Evergy utility requires a exposed meter in all units.

Applications

Traffic Signals

Pump and Lift Stations

Communications Power Distribution

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MILBANK® ENERGY AT WORK

Enclosed Controls

CT Metered Commercial Pedestals

Evergy utility requires an exposed meter in all units.

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 Vechicle Charging Stations

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Enclosed Controls

Slimline Commercial Pedestals

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 anchor bolts required.
- Powder coated G90 galvanized steel or aluminum; raw, anodized or powder coated, as well as stainless steel exterior options.

Notes

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

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.

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Enclosed Controls

Power Distribution Pedestal for Electric Vehicle Charging

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

Standard Features

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

Customizable Features

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

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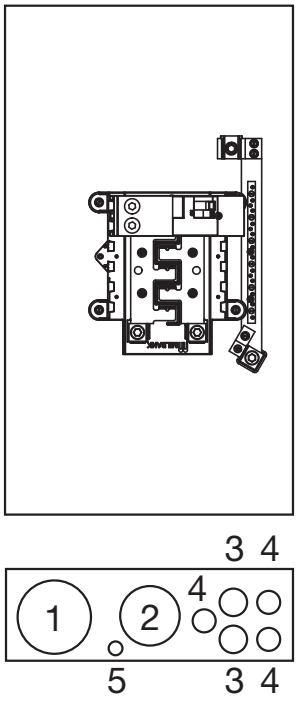
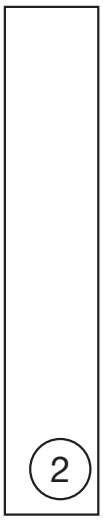
Unmetered Load Centers

200 Amps | 120/240V





5971

Breaker Chart

Rating kAIC	Circuit Breakers 125 Amps
10	**Siemens:** QP. **Cutler Hammer:** BR, HQP, QPGF **Square D/Homeline:** GE (50 Amps max) THQL, THQL-GF
Rating kAIC	**150-200 Amps**
10	**Siemens:** QN

100-200 Amps | 120/240V | Unmetered Load Center with Main Breaker

Catalog Number	Main Breaker Amps	Circuits	Service	Hub	Dimensions			Knockouts				
					D"	W"	H"	1	2	3	4	5
U5971-XL-100	100	10	OH/UG	C.P.	4½	14⅛	25 1/16	3	2	1	½,¾	¼,½
U5971-XL-150	150	8	OH/UG	C.P.	4½	14⅛	25 1/16	3	2	1	½,¾	¼,½
U5971-XL-200	200	8	OH/UG	C.P.	4½	14⅛	25 1/16	3	2	1	½,¾	¼,½

Notes

- **AIC rating:** This units are rated 10K AIC.
- **Breaker interlock: U5971** accepts breaker interlock kits. Order **K5815** for large **QN** with small frame **Q**, **K5820** for large frame **QN** with large frame **QN** or **K5830** for small frame **Q**.

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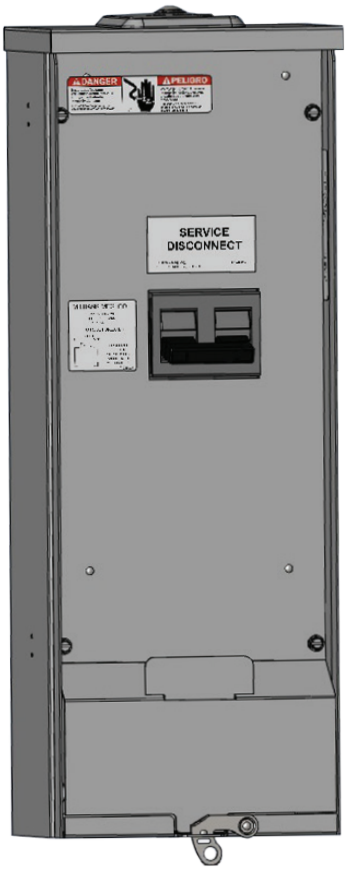
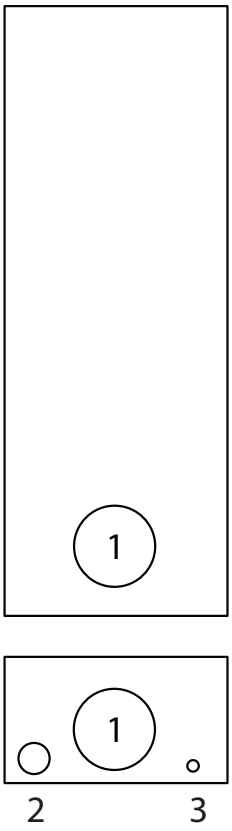
Milbank 200 Amps Breaker Enclosure



U4569-XL-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

100-200 Amps | Breaker Enclosures | 120/240V | 1Ø

Catalog Number	Service	Hub	Dimensions			Knockouts		
			D"	W"	H"	1	2	3
U4569-XL-100	OH	CP	4 27/32	8	21½	2½	½	¼
U4569-XL-150	OH	CP	4 27/32	8	21½	2½	½	¼
U4569-XL-200	OH	CP	4 27/32	8	21½	2½	½	¼

100-200 Amps | 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 100-200 Amps, single phase meter sockets or when the utility requires a separate enclosure for the meter socket and main breaker.

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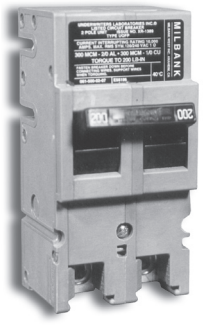
Circuit Breakers

UQFP Plug-In Series and UQFB Bolt-On Series



UQFP
UQFPH

UQFP-M
UQFPH-M

UQFB-X1

UQFB-X

UQFB

UQFB-X-MOD

200 Amps Frame | Plug-in | 10K AIC and 22K 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 | 10K AIC and 22K 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**	**UQFBQH-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:** 3-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.

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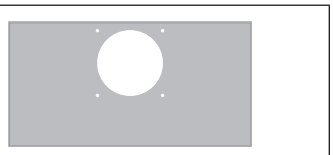
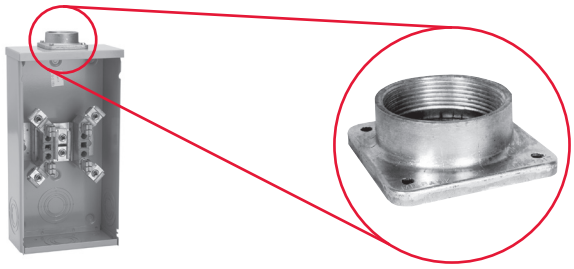
Accessories

Hubs and Closing Plates



-RL

Small hub opening

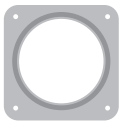


-WL	A7514
1" hub	

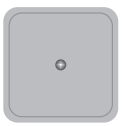
-YL	A7515
1¼" hub	

-ZL	A7516
1½" hub	

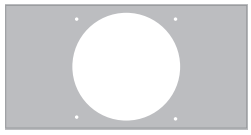
-DL	A7517
2" hub	



-EL	A7518
2½" hub	

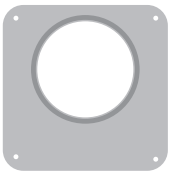


-XL	A7551
Small closing plate	

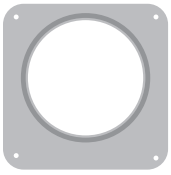


-R

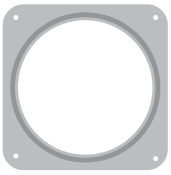
Large hub opening



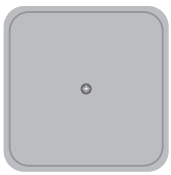
-F	A8110
3" hub	



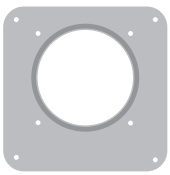
-G	A8111
3½" hub	



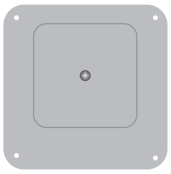
-H	A8112
4" hub	



-X	A9064
Large closing plate	



-RRL	S8324
Large hub opening adapted to small hub opening	



-RXL	S8324	A7551
Large hub opening adapted to small closing plate		

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).

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Accessories

Connector Kits, Closing Kits and Sealing Rings

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

Bypass Link

K8180 (sold in pairs)

Closing Covers

Meter Closing Plate (Ring Type/Ringless)

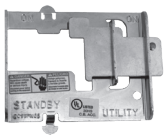
6003 - Gray Plastic

6116 - Clear Plastic

Metal Closing Plate (for Ringless Sockets)

CP-21

Generator Interlock



K5815 - Large QN with small frame Q

K5820 - Large frame QN with large frame QN

K5830 - Small frame Q to small frame Q

Sealing Rings

MR-2 - Snap Action

MR2-SS - Stainless Steel

MR-4 - Screw Type (Stainless Steel)

Touch-Up Paint

A-GP - Light Gray

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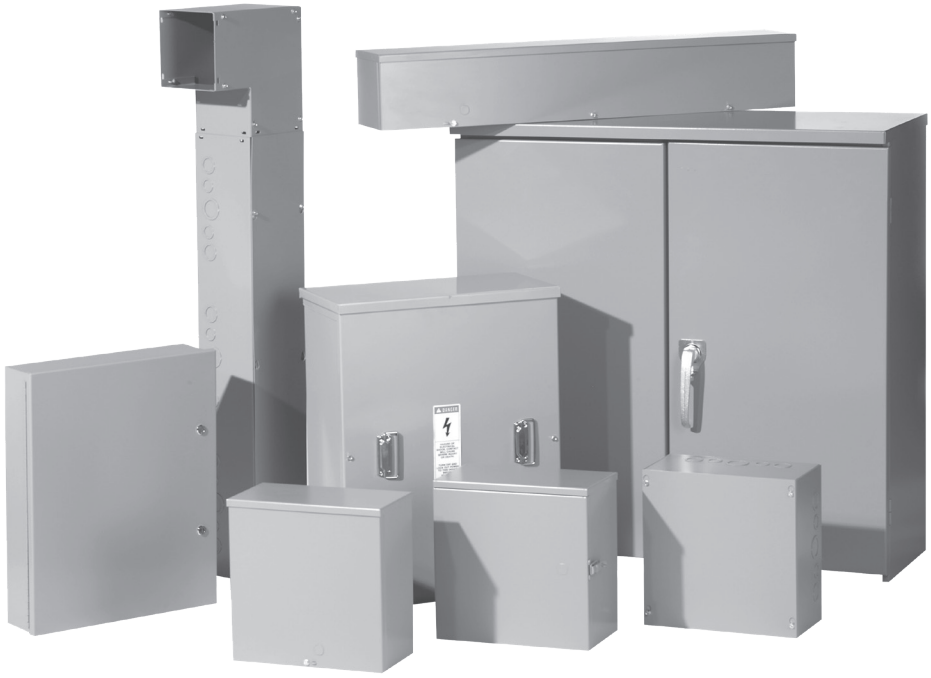
NEMA Commercial Enclosures

Milbank Enclosures: We've Got It Covered



NEMA Commercial Enclosures

Milbank's line of commercial enclosures covers a range of styles and sizes. Our NEMA rated enclosures include everything from junction boxes to transformer cabinets and telephone cabinets to wireway.

Type-1 Enclosures

Milbank's Type-1 enclosures are designed for indoor use with a guard that prevents access to hazardous parts. These enclosures also offer another layer of protection, a barrier within the enclosure that keeps out solid foreign objects, like dust and dirt.

Type 3R Enclosures

Milbank's NEMA 3R enclosures are engineered for indoor or outdoor use. They are designed to provide a degree of protection from specific environmental effects, such as an ingress of water from rain, sleet and snow. The exterior will also remain undamaged by ice forming on the outside of the enclosure, making it ideal for colder climates.

Wireway

Milbank's wireways are available in a wide range of styles, sizes and fittings. This allows wireways to smoothly transition to and from competitors' products.

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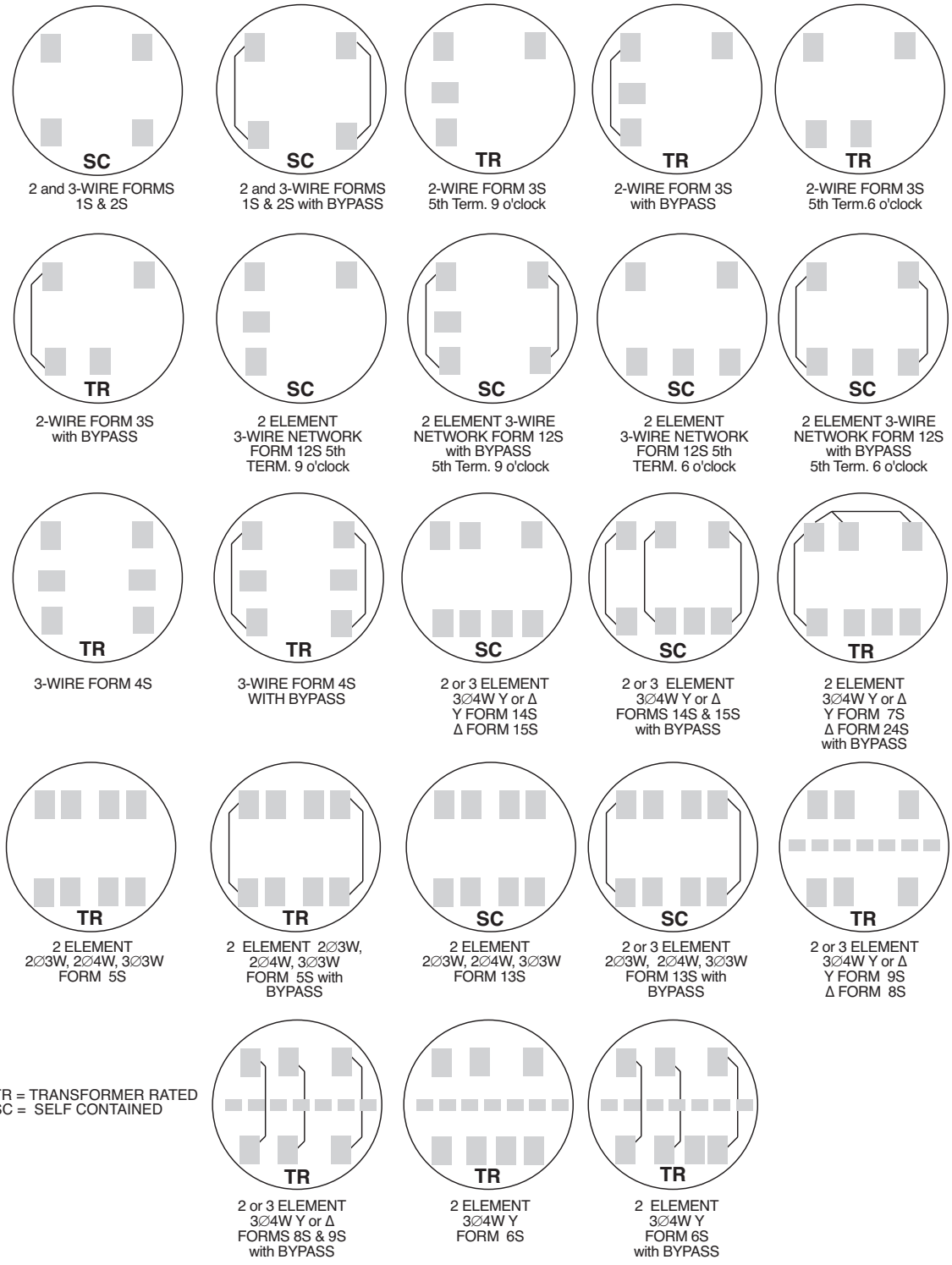
Watthour Meter Forms

Standard Forms | Transformer Rated or Self-Contained



TR = TRANSFORMER RATED
SC = SELF CONTAINED

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Meter Forms

Reference Information

DIAGRAM A
1Ø2W with 1 P.T. and 1 C.T.
Single Stator Meter(2W1Ø) - Form 3S
5T Socket, Test Switch #TS04-0101

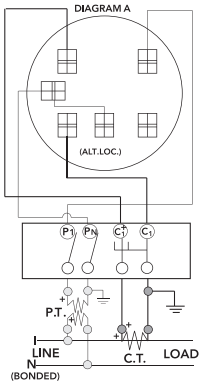


DIAGRAM B
1Ø3W with 1 C.T.
Single Stator Meter (2W1Ø) - Form 3S
5T Socket, Test Switch #TS04-0101

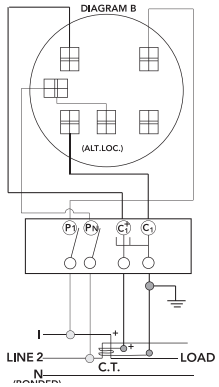


DIAGRAM C
1Ø3W with 2 C.T.'s
Single Stator Meter (3W1Ø) - Form 4S
6T Socket, Test Switch #TS07-0105

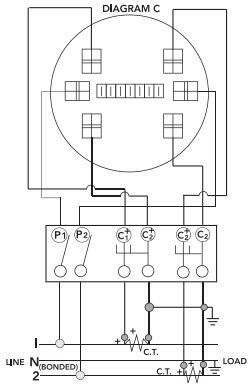


DIAGRAM D
1Ø3W or 3W Network with 2 C.T.'s
2 Stator Meter - Form 5S
8T Socket, Test Switch #TS07-0105

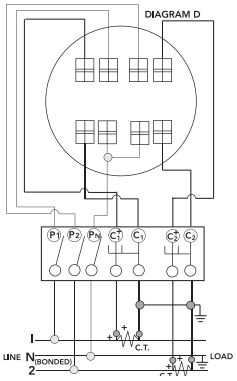


DIAGRAM E
3Ø3W "Δ" with 2 P.T.'s and 2 C.T.'s
2 Stator Meter - Form 5S
8T Socket, Test Switch #TS07-0105

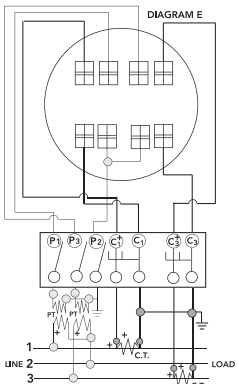


DIAGRAM F
3Ø3W "Δ" with 2 C.T.'s
2 Stator Meter - Form 5S
8T Socket, Test Switch #TS07-0105

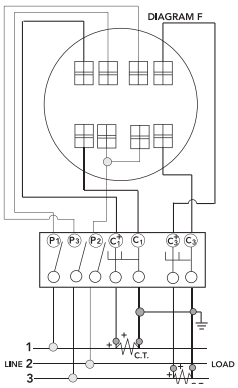


DIAGRAM G
3Ø4W "Y" with 3 C.T.'s
2 1/2 Stator Meter - Form 6S
13T Socket, Test Switch #TS10-0109

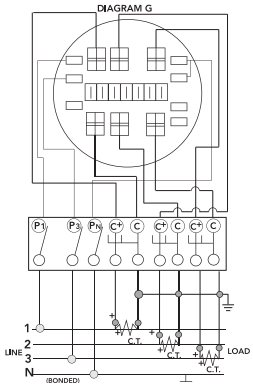


DIAGRAM H
3Ø4W "Y" with 2 P.T.'s and 3 C.T.'s
2 1/2 Stator Meter - Form 6S
13T Socket, Test Switch #TS10-0109

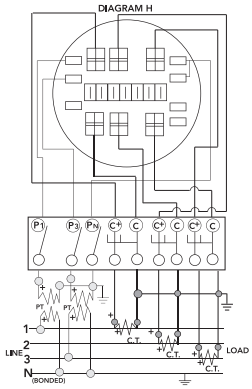


DIAGRAM I
3Ø4W "Y" or "Δ" with 3 C.T.'s
"Y" 3 Stator Meter - Form 9S
"Δ" 2 Stator Meter - Form 8S
13T Socket, Test Switch #TS10-0109

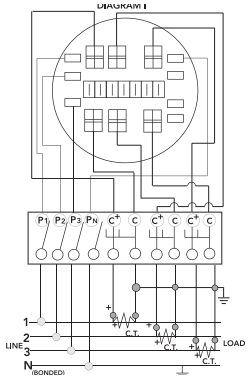
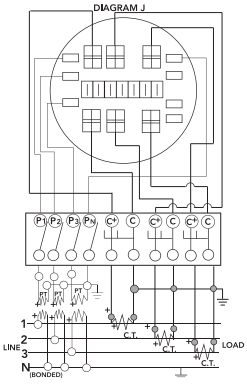


DIAGRAM J
3Ø4W "Y" with 3 P.T.'s and 3 C.T.'s
3 Stator Meter - Form 9S
13T Socket, Test Switch #TS10-0109



Prewiring: If standard factory prewiring is required, refer to wiring diagrams on this page. Determine appropriate diagram and send a copy with order. If custom factory prewiring is required, specify on order. Be sure to include meter socket catalog number, test switch make and catalog number, meter form number and provide a copy of your wiring diagram.

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Conduit, Ampacity and SCCR

Reference Information

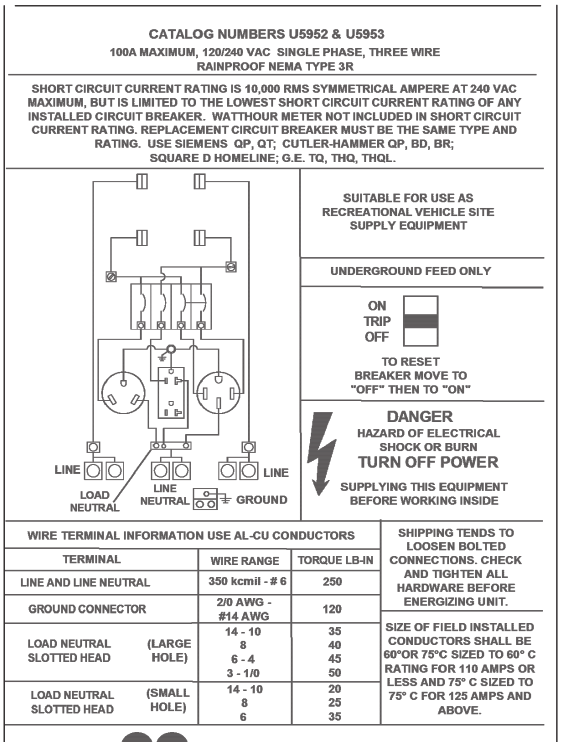
MAXIMUM NUMBER OF CONDUCTORS IN CONDUIT

Table from 2008 NEC Code Reference: Rigid Metal Conduit

Type	Conductor Size (AWG/kcmil)	Conduit Trade Sizes (Inches)									
		½	¾	1	1¼	1½	2	2½	3	3½	4
THHN, THWN, THWN-2	12	9	16	26	46	62	102	146	225	301	387
	10	6	10	17	29	39	64	92	142	189	244
	8	3	6	9	16	22	37	53	82	109	140
	6	2	4	4	12	16	27	38	59	79	101
	4	1	2	4	7	10	16	23	36	48	62
	3	1	1	3	6	8	14	20	31	41	53
	2	1	1	3	5	7	11	19	26	34	44
	1	1	1	1	4	5	8	12	19	25	35
	1/0	1	1	1	3	4	7	10	16	21	27
	2/0	0	1	1	2	3	6	8	13	18	23
	3/0	0	1	1	1	3	5	7	11	15	19
	4/0	0	1	1	1	2	4	6	9	12	16
XHH, XHHW, XHHW-2	4	1	2	4	7	10	16	24	37	49	63
	2	1	1	3	5	7	12	17	26	35	45
	1/0	1	1	1	3	4	7	10	16	22	28
	2/0	0	1	1	2	3	6	9	13	18	23
	4/0	0	1	1	1	2	4	6	9	12	16
	250	0	0	1	1	1	3	5	7	10	13
	350	0	0	1	1	1	2	3	6	7	10
	500	0	0	0	1	1	1	2	4	5	7
	750	0	0	0	0	1	1	1	3	4	5

This table is for concentric stranded conductors only. For cables with compact conductors refer to NEC. Refer to latest NEC Code or Local Codes for updated requirements.

SAMPLE RATING LABEL



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

A		AL or **CU-Clad AL	
A	B	A	B
18	—	—	—
16	—	—	—
14	20†	—	—
12	25†	12	20†
10	35†	10	30†
8	50	8	40
6	65	6	50
4	85	4	65
3	100	3	75
2	115	2	90
1	130	1	100
1/0	150	1/0	120
2/0	175	2/0	135
3/0	200	3/0	155
4/0	230	4/0	180
250	255	250	205
300	285	300	230
350	310	350	250
400	335	400	270
500	380	500	310
600	420	600	340
700	460	700	375
750	475	750	385

A = Size: AWG/MCM
***B** = Ampere Rating for Insulation Types:
FEPW, RH, RHW, THW, THWN, XHHW, USE, 2W.
****C** = Ampere Rating for Insulation Types:
RH, RHW, THW, THWN, XHHW, USE (Per NEC table 310-16)

AMPACITY CORRECTION FACTORS

Ambient Temp.C°	Correction Factor	Ambient Temp.F°
21 - 25	1.05	70 - 77
25 - 30	1.00	78 - 86
31 - 35	.94	87 - 95
36 - 40	.88	96 - 104
41 - 45	.82	105 - 113
46 - 50	.75	114 - 122
51 - 55	.67	123 - 131
56 - 60	.58	132 - 140
61 - 65	.33	141 - 158

GANG SOCKET OVERALL AMPACITIES

# of Meter Pos.	100A/Pos. Ampacity	125A/Pos. Ampacity	150A/Pos. Ampacity	200A/Pos. Ampacity
2	200A	200A	200A	200A #
3	200A	225A	225A	270A
4	200A	250A	270A	360A
5	225A	285A	338A	450A
6	270A	330A	396A	528A

Overall Ampere ratings of UL-listed Milbank multiple position meter sockets are based on **2008 NEC Handbook Article 220-84** and **ANSI / UL-414** (except where restricted by line connector size). These requirements provide for a diversity factor / demand factor being utilized in determining the overall (main bus / lug) rating of a gang socket. All Milbank UL-listed gang sockets meet or exceed these diversity factor/ demand and factor requirements. Standard overall Ampacity ratings for UL-listed and non-UL-listed gang sockets are as shown in the chart below. Ampere ratings of meter sockets are based on the meter socket being wired with 75° C insulated wire conductor, sized in accordance with **Table 310-16** of the **National Electric Code**.

† Unless otherwise permitted elsewhere in the Code, the overcurrent protection for conductor types marked with an obelisk (†) shall not exceed 15 Amps for 14 AWG, 20 Amps for 12 AWG, and 30 Amps for 10 AWG copper: or 15 Amps for 12 AWG and 25 Amps for 10 AWG aluminum and copper-clad aluminum after any correction factors for ambient temperature and number of conductors have been applied.
# Some constructions are rated at 400 Amps overall (1252). Contact your sales representative for more information. Refer to latest NEC Code or Local Codes for updated requirements.

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Energization of Electrical Equipment

Important Information for Installers

Important Note

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

Before Energizing

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

When Energizing

Use caution and follow established safety procedures:

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

After Energizing

Secure the installation:

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

Recommended Torque for General Applications*

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 ≤ 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 studss, and should be referenced first.
CU: Copper
AL: Aluminum

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Materials and Finishes

Reference Information

Materials

Steel Quality

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

Steel Sheet

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

Aluminum Extrusion

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

Aluminum Sheet

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

Copper Sheet and Bus

Electrolytic copper with tin plating in most applications.

Insulating Materials

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

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

Metal Fasteners

Zinc-coated with a chromate dip.

Ratings and Compliance

Ratings and Compliance

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

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Notes

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