

---

# ReliaHome Load Centres

## CSA Selection Guide





---

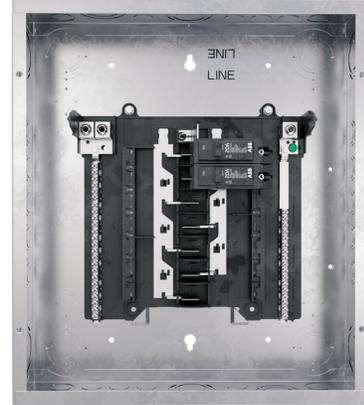
# Table of contents

<b>2</b>	<b>ReliaHome Load Centres 120/240V - Single Phase</b>
<b>4</b>	<b>ReliaHome Load Centres 120/208 V - Three Phase</b>
<b>6</b>	<b>Circuit Breakers</b>
<b>10</b>	<b>ReliaHome Generator Panels</b>
<b>12</b>	<b>Field Installed Accessories</b>

# ReliaHome T-Series Load Centres

## Single phase 40-125A

- All Load Centres Top or Bottom Entry
- Indoor and outdoor rated enclosures available
- Copper bus standard
- Indoor loadcentre can be mounted vertical or horizontal position
- Accepts only breakers with pig tail



## T-series Main Lug

Amperes (ML)	Catalogue Number Type 1 Indoor Enclosure	Catalogue Number Type 3R Outdoor Enclosure	Total 1-Pole Spaces	Maximum Number Circuits	H	W	D	Wire size range for main CU/AL
40	-	TLC240RCU	2	4	10.44	7.71	3.98	4-14 CU/AL
40	TLC240SCU	-	2	4	10.21	5.69	3.34	4-14 CU/AL
70	-	TLC270RCU	2	4	10.44	7.71	3.98	4-14 CU/AL
70	TLC270SCU	-	2	4	10.21	5.69	3.34	4-14 CU/AL
100	TLCQ410C	-	4	8	9.13	7.37	3.25	6-2/0 CU/AL
100	TPLCQ410C <sup>1</sup>	-	4	8	9.13	7.37	3.25	6-2/0 CU/AL
125	TLCQ612SCU/FCU <sup>2,4</sup>	-	4	8	11.13	11.37	3.32	6-2/0 CU/AL
125	TLCQ612SCUD/FCUD <sup>2,3</sup>	-	6	12	11.13	11.37	3.32	6-2/0 CU/AL
125	TLCQ812SCU/FCU <sup>2,4</sup>	-	8	16	11.13	11.37	3.32	6-2/0 CU/AL
125	TLCQ812SCUD/FCUD <sup>2,3</sup>	-	8	16	11.13	11.37	3.32	6-2/0 CU/AL
125	TLCQ1212CCA	-	12	24	19.13	14.13	3.32	6-2/0 CU/AL

<sup>1</sup> Thermoplastic Enclosure.

<sup>2</sup> SCU indicates surface mount enclosure. FCU indicates flush mount enclosure.

<sup>3</sup> Includes optional door.

<sup>4</sup> Door not included.

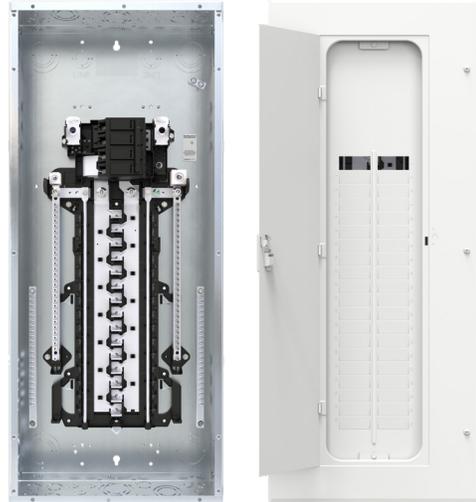
## T-series Main Breaker

Amperes (MCB)	Catalogue Number Type 1 Indoor Enclosure	Catalogue Number Type 3R Outdoor Enclosure	Total 1-Pole Spaces	Maximum Number Circuits	H	W	D	Wire size range for main CU/AL
100	-	TMCQ1210RCA	12	24	21.86	13.5	5.05	6-2/0 CU/AL
100	TMCQ1210CCA	-	12	24	20.39	15.37	4.07	6-2/0 CU/AL
100	TMCQ1210CCAW	-	12	24	20.39	15.37	4.07	6-2/0 CU/AL

# ReliaHome P-Series Load Centres

## 120/240 V - Single Phase

- Main breaker 22KAIC rated standard- Factory installed
- Single phase 100-200Amp
- All loadcentres Top and bottom entry
- Aluminum bus standard
- Accepts both Plug on and pigtail breakers.
- Indoor loadcentre can be mounted vertical or horizontal position
- Suitable for use as service entrance equipment when installed in accordance with the CEC
- Suitable to be mounted in Vertical or Horizontal position



Single Phase

## P-series Main Lug

Amperes (ML)	Catalogue Number Type 1 Indoor Enclosure	Catalogue Number Type 3R Outdoor Enclosure	Total 1-Pole Spaces	Maximum Number Circuits	H	W	D	Wire size range for main CU/AL
125	PALC1612W	-	16	32	20.39	15.37	4.12	(1) #6-2/0 Cu/Al
125	PALC2412W	-	24	48	24.39	15.37	4.12	(1) #6-2/0 Cu/Al
125	-	PALC2412R	24	48	26.16	14.88	5.03	(1) #6-2/0 Cu/Al
200	PALC2020W	-	20	40	26.07	15.37	4.12	(1) #6-2/0 Cu/Al
200	PALC3020W	-	30	60	29.82	15.37	4.12	(1) #6-250 Cu/Al
200	PALC4020W	-	40	80	36.82	15.37	4.12	(1) #6-250 Cu/Al
200	-	PALC4020R	40	80	39.16	14.88	5.03	(1) #6-250 Cu/Al
225	PALC4022W	-	40	80	36.82	15.37	4.12	(1) #1-300 Cu/Al

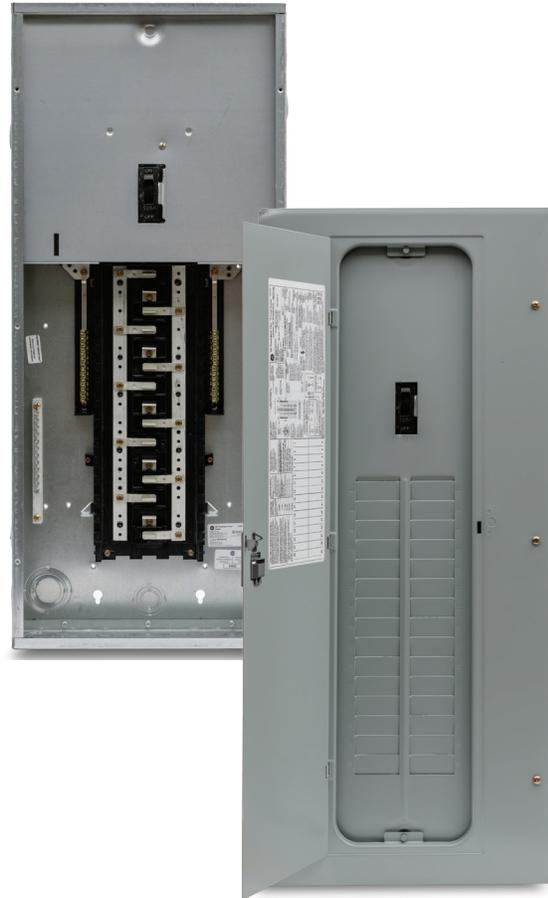
## P-series Main Breaker

Amperes (MB)	Catalogue Number Type 1 Indoor Enclosure	Catalogue Number Type 3R Outdoor Enclosure	Total 1-Pole Spaces	Maximum Number Circuits	H	W	D	Wire size range for main CU/AL
100	-	PAMC1610R	16	32	29.3	13.45	4.92	#4-1/0 Cu-Al
100	PAMC1610W	-	16	32	24.39	15.37	4.12	#4-1/0 Cu-Al
100	-	PAMC2010R	20	40	27.05	13.45	5.88	#4-1/0 Cu-Al
100	PAMC2010W	-	20	40	24.39	15.37	4.12	#4-1/0 Cu-Al
100	PAMC3010W	-	30	60	29.82	15.37	4.12	#4-1/0 Cu-Al
100	PAMC4010W	-	40	80	40.56	15.37	4.12	#4-1/0 Cu-Al
125	PAMC2412W	-	24	48	26.07	15.37	4.12	#2-2/0 Cu-Al
125	PAMC3012W	-	30	60	29.82	15.37	4.12	#2-2/0 Cu-Al
150	PAMC2015W	-	20	40	29.82	15.37	4.12	#1 - 3/0 Cu; 2/0 - 3/0 Al
150	PAMC3015W	-	30	60	34.57	15.37	4.12	#1 - 3/0 Cu; 2/0 - 3/0 Al
150	PAMC4015W	-	40	80	40.56	15.37	4.12	#1 - 3/0 Cu; 2/0 - 3/0 Al
200	-	PAMC2020R	20	40	33.3	13.45	4.92	#1-250 Cu; 2/0 - 250 Al
200	PAMC2020W	-	20	40	29.82	15.37	4.12	#1-250 Cu; 2/0 - 250 Al
200	PAMC3020W	-	30	60	34.57	15.37	4.12	#1-250 Cu; 2/0 - 250 Al
200	PAMC4020W	-	40	80	40.56	15.37	4.12	#1-250 Cu; 2/0 - 250 Al
200	-	PAMC4020R	40	80	39.16	14.69	5.03	#1-250 Cu; 2/0 - 250 Al
200	PAMC6020W	-	60	120	50.56	15.37	4.12	#1-250 Cu; 2/0 - 250 Al
200	-	PAMC6020R	60	120	49.16	14.88	5.75	#1-250 Cu; 2/0 - 250 Al

## ReliaHome 3-Phase Load Centres

### Three phase 100-225A

- All Load Centres Top or Bottom Entry
- Indoor and outdoor rated enclosures available
- Aluminum bus and copper stabs
- Base catalogue number includes cover
- Suitable for use as service entrance equipment when installed in accordance with the CEC



Three Phase

# ReliaHome 3-Phase Load Centres

## 120/208 V - Three Phase

Main Breaker, 22kA

Includes cover

Amperes (MB)	Catalogue Number Type 1 Indoor Enclosure	Catalogue Number Type 3R Outdoor Enclosure	Maximum Circuits			Total 1-Pole Spaces
			1" THQL			
			1P	2P	3P	
100	TMC12410C	-	12	6	4	12
100	TMC18410C	-	18	8	6	18
125	TMC30412C	-	30	14	10	30
200	TMC42420C	TMC42420R	42	20	14	42

3ph 120/208V Load Centre only accepts 1" THQL style breakers.

## 120/208 V - Three Phase

Main Lug

Amperes (ML)	Catalogue Number Type 1 Indoor Enclosure	Catalogue Number Type 3R Outdoor Enclosure	Maximum Circuits			Total 1-Pole Spaces
			1" THQL			
			1P	2P	3P	
125	TLC12412C	TLC12412R	12	6	4	12
150	TLC18415C	-	18	8	6	18
150	TLC24415C	TLC24415R	24	12	8	24
200	TLC30420C	TLC30420R	30	14	10	30
200	TLC42420C	TLC42420R	42	20	14	42
225	TLC30422C	-	30	14	10	30
225	TLC42422C	-	42	20	14	42

3ph 120/208V Load Centre only accepts 1" THQL style breakers.

# Circuit Breakers

## Q-Line Plug-in Circuit Breakers

120/240 Vac Ampere Rating	10,000AIC	
	Type THQL 1-inch Module	
	120/240 Vac	240 Vac
	Catalogue Number	Catalogue Number
<b>Single Pole<sup>1</sup></b>		
15 <sup>2</sup>	THQL1115	-
20 <sup>2</sup>	THQL1120	-
25	THQL1125	-
30	THQL1130	-
35	THQL1135	-
40	THQL1140	-
45	THQL1145	-
50	THQL1150	-
<b>Std. Pkg.</b>	<b>5 cartons of 10</b>	-



THQL1120



THQL2140



THQL32020

Two-Pole <sup>3</sup> : Incorporates Internal Common Trip Bar		
15	THQL2115	THQL22015 <sup>4</sup>
20	THQL2120	THQL22020 <sup>4</sup>
25	THQL2125	THQL22025 <sup>4</sup>
30	THQL2130	THQL22030 <sup>4</sup>
35	THQL2135	THQL22035 <sup>4</sup>
40	THQL2140	THQL22040 <sup>4</sup>
45	THQL2145	THQL22045 <sup>4</sup>
50	THQL2150	THQL22050 <sup>4</sup>
60	THQL2160	THQL22060 <sup>4</sup>
70	THQL2170	THQL22070 <sup>4</sup>
80	THQL2180	THQL22080 <sup>4</sup>
90	THQL2190	THQL22090 <sup>4</sup>
100	THQL21100	THQL22100 <sup>4</sup>
110	THQL21110	-
125	THQL21125	-
<b>Std. Pkg.</b>	<b>5 cartons of 5</b>	<b>5 cartons of 5</b>

Three-Pole <sup>3</sup> : Incorporates Internal Common Trip Bar		
15	-	THQL32015
20	-	THQL32020
25	-	THQL32025
30	-	THQL32030
35	-	THQL32035
40	-	THQL32040
45	-	THQL32045
50	-	THQL32050
60	-	THQL32060
70	-	THQL32070
80	-	THQL32080
90	-	THQL32090
100	-	THQL32100
<b>Std. Pkg.</b>	-	<b>5 cartons of 3</b>

<sup>1</sup>UL Listed as HACR (heating, air conditioning and refrigeration).

<sup>2</sup>UL Listed as SWD (switching duty). Suitable for 120 volts ac fluorescent lighting loads.

<sup>3</sup>15-100 amp UL Listed as HACR (heating air conditioning and refrigeration).

<sup>4</sup>Required for three-phase and High Leg Delta Systems only.

## Plug-on Neutral Electronic Circuit Breakers SKU LISTS

Catalog number	Amps	Poles	AIC	Protection
THQL1115PAF2	15A	1P	10K	AFCI
THQL1120PAF2	20A	1P	10K	AFCI
THHQL1115PAF2	15A	1P	22K	AFCI
THHQL1120PAF2	20A	1P	22K	AFCI
THQL1115PDF	15A	1P	10K	AFCI/GFCI
THQL1120PDF	20A	1P	10K	AFCI/GFCI
THHQL1115PDF	15A	1P	22K	AFCI/GFCI
THHQL1120PDF	20A	1P	22K	AFCI/GFCI
THQL1115PGFT	15A	1P	10K	GFCI
THQL1120PGFT	20A	1P	10K	GFCI
THQL1125PGFT	25A	1P	10K	GFCI
THQL1130PGFT	30A	1P	10K	GFCI
THHQL1115PGFT	15A	1P	22K	GFCI
THHQL1120PGFT	20A	1P	22K	GFCI
THHQL1125PGFT	25A	1P	22K	GFCI
THHQL1130PGFT	30A	1P	22K	GFCI
THQL2115PGFT	15A	2P	10K	GFCI
THQL2120PGFT	20A	2P	10K	GFCI
THQL2125PGFT	25A	2P	10K	GFCI
THQL2130PGFT	30A	2P	10K	GFCI
THHQL2115PGFT	15A	2P	22K	GFCI
THHQL2120PGFT	20A	2P	22K	GFCI
THHQL2125PGFT	25A	2P	22K	GFCI
THHQL2130PGFT	30A	2P	22K	GFCI

# Circuit Breakers

## Arc Fault<sup>2</sup>

cULus

Arc-Fault Circuit Interrupters No. 1699

	Ampere Rating	1 Pole, 120/240 Volts ac <sup>1</sup> Catalogue Number	1-Pole, 120/240 Volts ac Catalogue Number
<b>10,000 AIC</b>			
	15	THQL1115AF2	THQL1115AF2S
	20	THQL1120AF2	THQL1120AF2S
<b>22,000 AIC</b>			
	15	THHQL1115AF2	-
	20	THHQL1120AF2	-
<b>Std. Pkg.</b>		<b>10 Cartons of 1</b>	-

As of Jan. 1, 2008, 2005 NEC<sup>™</sup> requires combination AFCI.

<sup>1</sup>Combination AFCI compliant with 2008 NEC<sup>™</sup> and later

<sup>2</sup>For 2-Pole shared neutral applications use two 1-pole circuit breakers with a handle tie. See DET-719 for more details on our Arc Fault products.



THQL1115AF2



THQL1115AF2S

## Ground Fault with Self-Test Feature

cULus

Ground Fault Circuit Interrupters UL943 ed5 (5 milliamperes)

	Ampere Rating	1-Pole, 120 Volts ac Catalogue Number	1-Pole, 120 Volts ac Catalogue Number	2-Pole, 120/240 Volts ac Catalogue Number
<b>10,000 AIC</b>				
	15	THQL1115GFT	THQL1115GFTS	THQL2115GFT
	20	THQL1120GFT	THQL1120GFTS	THQL2120GFT
	25	THQL1125GFT	-	THQL2125GFT
	30	THQL1130GFT	-	THQL2130GFT
	40	-	-	THQL2140GFT <sup>3</sup>
	50	-	-	THQL2150GFT <sup>3</sup>
<b>22,000 AIC</b>				
	15	THHQL1115GFT	-	THHQL2115GFT
	20	THHQL1120GFT	-	THHQL2120GFT
	25	THHQL1125GFT	-	THHQL2125GFT
	30	THHQL1130GFT	-	THHQL2130GFT

<sup>3</sup> UL & CSA



THQL2120GFT



THQL1115GFTS

## Ground Fault with Equipment Protection

cULus

Ground Fault Circuit Interrupters No. 943 30 milliamperes ground fault trip level

	Ampere Rating	1-Pole, 120 Volts ac Catalogue Number	2-Pole, 120/240 Volts ac Catalogue Number
<b>10,000 AIC</b>			
	15	THQL1115GFEP	THQL2115GFEP
	20	THQL1120GFEP	THQL2120GFEP
	30	THQL1130GFEP	THQL2130GFEP
<b>22,000 AIC</b>			
	15	-	THHQL2115GFEP
	20	-	THHQL2120GFEP
<b>Std. Pkg.</b>		<b>10 Cartons of 1</b>	<b>10 Cartons of 1</b>



THQL1120GFEP

## Dual Function GFCI/AFCI Ground Fault & Combination Arc Fault Circuit Breaker

UL Listed

	Ampere Rating	1-Pole, 120/240 Volts ac Catalogue Number	1-Pole, 120/240 Volts ac Catalogue Number
<b>10,000 AIC</b>			
	15	THQL1115DF	THQL1115DFS
	20	THQL1120DF	THQL1120DFS
<b>Std. Pkg.</b>		<b>10 Cartons of 1</b>	<b>10 Cartons of 1</b>



THQL1115DF



THQL1115DFS

## Surge Protectors

Description	Catalogue Number
SurgePro AC 27KA Panel-Mount Surge Protector	THQLSURGE2
SurgePro externally mounted	THOMESURGE

# ReliaHome Generator Panels

## Generator Panels

NEMA 1 Enclosure

Catalogue Number	Description
TMCQ830FCUGEN	30A, 8 cct Panel, Flush Mount
TMCQ830SCUGEN	30A, 8 cct Panel, Surface Mount
TMCQ860FCUGEN	60A, 8 cct Panel, Flush Mount
TMCQ860SCUGEN	60A, 8 cct Panel, Surface Mount



TM860RCUGEN  
Generator Panel

## Generator Panels

NEMA 3R Enclosure

Catalogue Number	Description
TMCQ830RCUGEN	30A, 8 cct Panel
TMCQ860RCUGEN	60A, 8 cct Panel

# Field Installed Accessories

## ReliaHome 3-Phase Equipment Ground Kits

Description	Standard Package Quantity	Catalogue Number
(4) 14-8Cu/12-8AL, (3) 14-4Cu/6-4AL	20	TGL1
(11) 14-8Cu/12-8AL, (3) 14-4Cu/6-4AL	20	TGL2 <sup>1</sup>
(7) 14-8Cu/12-8AL, (3) 14-4Cu/6-4AL, (2) 14-4Cu/12-4AL, (1) 14-2Cu/AL	20	TGL8 <sup>1</sup>
(1) 6-2/0Cu/Al Number of Terminals, Equipment Ground Kits	20	TGL20 <sup>2</sup>
(3) 10-1/0 Cu/Al Number of Terminals for 400 and 600 Amp	1	TNG3 <sup>3</sup>
(6) 10-1/0 Cu/Al Number of Terminals for 400 and 600 Amp	1	TNG6 <sup>4</sup>

<sup>1</sup>TGL2, TGL4 and TGL8 mount interchangeably

<sup>2</sup>Add-on Equipment Ground Lug (for use on any TGL Kit)

<sup>3</sup>Suitable for use with up to six TPLUG108 lugs or six crimp lugs per pole



TGL2



TGL20 combined with TGL1

## ReliaHome Equipment Ground and Isolated Ground Bar Kits

Description	Standard Package Quantity	Catalogue Number
4-hole Ground	1	TGK4
12-hole Ground	1	TGK12
24-hole Ground	1	TGK24
32-hole Ground	1	TGK32
42-hole Ground	1	TGK42



TGK12

## ReliaHome Neutral Kits

Description	Wire Range	Standard Package Quantity	Catalogue Number
Neutral Kit - Mounted on top of neutral only	6-2/0	1	TNLK20
Gold Neutral Kit - Mounted on top of neutral only	6-250	1	TNLK250

## Neutral Extension Kit

Description	Standard Package Quantity	Catalogue Number
Short Neutral Extension	1	PNEUXTSM
Long Neutral Extension	1	PNEUXTLG

## Sub-feed and Feed-thru Lugs

UL Listed

For use in load centers to economically supply power to a subpanel.

Poles	Ampere Rating	Catalogue Number
2	125	THLK2125
3	125	THLK3125
2	150	THLK2150
2	200	THLK2200 <sup>6</sup>



THLK2125

## Field Installed Accessories

### Front Filler Plates

Description	Standard Package Quantity	Catalogue Number
1" Front Filler Plate	50	TQLFP50
1" Front Filler Plate	1	TQLFP1

### Universal Raintight Hubs

Description	Base Size (in.)	Standard Package Quantity	Catalogue Number
3/4" Diameter	3	10	TC75
1" Diameter	3	10	TC100
1-1/4" Diameter	3	10	TC125
1-1/2" Diameter	3	10	TC150
2" Diameter	3	10	TC200
2-1/2" Diameter	3	10	TC250
3" Diameter	3	5	TC300
Closing Cap	3	10	TCCP
2" Diameter	4	-	TCU27 <sup>1</sup>
2-1/2" Diameter	4	-	TCU28 <sup>1</sup>
3" Diameter	4	-	TCU30 <sup>1</sup>
3-1/2" Diameter	4	-	TCU35 <sup>1</sup>
4" Diameter	4	-	TCU40 <sup>1</sup>
4" Cover Plate	4	-	TCUP <sup>1</sup>

<sup>1</sup>For 40 and 42 circuit units in R8 boxes only.



TC150

### Handle Locks - Padlocking

Description	Breaker Type	Catalogue Number
THQL Padlocking Handle Lock	THQL	THP100

Snap on handle lock  
Padlock not included



THP100

### Miscellaneous

Description	Catalogue Number
Circuit Breaker Hold Down Kit	PTHQLRK1
Circuit Breaker Hold Down Kit End	PTHQLRK2
Circuit Directory	PD60
Door Lock Kit	TDL106
Door Handle Gray	PLTCHGR



THP106

### Load Center Hardware Kits Hardware

Description	Standard Package Quantity	Catalogue Number
T-series Hardware kit containing 10 interior mounting screws	1	THDWRKIT2
P series hardware kit	1	PHDWRKIT

**P-Series Loadcenter Replacement Fronts**

Description Catalogue Number	Standard Package Quantity	Catalogue Number
PAMC1610W Front Replacement Kit (White)	1	PFAMC1610W
PAMC2010W Front Replacement Kit (White)	1	PFAMC2010W
PAMC3010W Front Replacement Kit (White)	1	PFAMC3010W
PAMC4010W Front Replacement Kit (White)	1	PFAMC4010W
PAMC2412W Front Replacement Kit (White)	1	PFAMC2412W
PAMC3012W Front Replacement Kit (White)	1	PFAMC3012W
PAMC2015W Front Replacement Kit (White)	1	PFAMC2015W
PAMC3015W Front Replacement Kit (White)	1	PFAMC3015W
PAMC4015W Front Replacement Kit (White)	1	PFAMC4015W
PAMC2020W Front Replacement Kit (White)	1	PFAMC2020W
PAMC3020W Front Replacement Kit (White)	1	PFAMC3020W
PAMC4020W Front Replacement Kit (White)	1	PFAMC4020W
PAMC6020W Front Replacement Kit (White)	1	PFAMC6020W
PALC1612W Front Replacement Kit (White)	1	PFALC1612W
PALC2412W Front Replacement Kit (White)	1	PFALC2412W
PALC2020W Front Replacement Kit (White)	1	PFALC2020W
PALC3020W Front Replacement Kit (White)	1	PFALC3020W
PALC4020W Front Replacement Kit (White)	1	PFALC4020W
PALC4022W Front Replacement Kit (White)	1	PFALC4022W

**T-Series Loadcenter Replacement Fronts**

Description Catalogue Number	Standard Package Quantity	Catalogue Number
TLCQ410C front surface	1	TL27
TLCQ410C front flush	1	TL27FC
TLCQ612FCUD/TLCQ812FCUD front flush with door	1	TLC6FCD
TLCQ612FCU/TLCQ812FCU front flush	1	TLC6FC
TLCQ612SCUD/TLCQ812SCUD front surface with door	1	TLC6SCD
TLCQ612SCU/TLCQ812SCU front surface	1	TLC6SC

---

**ABB Inc.**  
800 Hymus Boulevard  
Saint-Laurent, QC H4S 0B5

Customer Service / Technical support  
epsupport@ca.abb.com

**[new.abb.com/ca](https://new.abb.com/ca/reliahome-load-centres)**  
**[/reliahome-load-centres](https://new.abb.com/ca/reliahome-load-centres)**

---

We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB Inc. does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction or utilization of its contents – in whole or in parts – is forbidden without prior written consent of ABB Inc. © 2024 ABB.  
All rights reserved.