



DATA SHEET

PowerMark Gold™ meter socket load centers



—
Left to right

TSM415CSCU
TSM420CSCU

TSM815CSCU
TSM820CSCU

Product specifications

Meter main with feed-thru lugs

- 120/240V, 1 phase, 3-wire
- 200A ring type meter socket
- 150A and 200A 22kAIC main breaker
- Feed-thru lugs provide maximum flexibility
- 4/8 or 8/16 breaker spaces available
- 22/10 series rating for branch breakers
- NEMA 3R enclosure
- Surface mounting
- Suitable for overhead and underground applications (line and load)
- Wide box with generous wiring space
- Minimum 100% neutral terminations
- Factory installed bonded neutral
- 3" underground line knockouts
- Padlock provisions on door
- Hinged door is removable for safety and convenience

Accepts

- 1" THQL and 1/2" THQP circuit breakers
- THQLSURGE surge arrester
- GFCI
- AFCI

Standards/approvals

UL 67, 489, 50, 414

Meter mains with feed-thru lugs

Surface mount, UL, overhead/underground feed, 22kAIC rms symmetrical

Main Amp Rating	Maximum Spaces				Total 1-Pole Spaces	Catalog Number	Main Wire Size	Ground Kit
	1" THQL		1/2" THQP					
	1-Pole	2-Pole	1-Pole	2-Pole				
150	4	2	8	3	8	TSM415CSCU	6-350	-
	8	4	16	6	16	TSM815CSCU	1-300	TGK12
200	4	2	8	3	8	TSM420CSCU	6-350	-
	8	4	16	6	16	TSM820CSCU	1-300	TGK12

Aluminum raintight hubs

Conduit Size	Catalog Number
Closing Cap	TCCP
3/4"	TC75
1"	TC100
1 1/4"	TC125
1 1/2"	TC150
2"	TC200
2 1/2"	TC250
3"	TC300

Knockouts

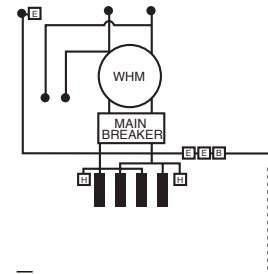
A	B	C	BB	CC	EE	GG	HH
9/32	-	3/8	-	-	-	-	-
-	1/2	1/2	-	1/2	1/2	-	1/2
-	-	3/4	3/4	3/4	3/4	-	3/4
-	-	-	1	1	1	-	1
-	-	-	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
-	-	-	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
-	-	-	2	2	2	2	2
-	-	-	-	-	2 1/2	2 1/2	2 1/2
-	-	-	-	-	-	3	3

Wire ranges

Terminal Symbol	Wire Range (AWG/kcmil)	
	Cu	Al
●	14-8	12-8
○	14-4	12-4
A	6-2	6-2
B	14-1/0	12-1/0
C	6-2/0	6-2/0
D	1-300	2/0-300
E	1-300	1-300
H	2/0-300	1-300

Enclosure dimensions and weights

Catalog Number	Dimensions (in.) W x H x D	Weight (lbs.)
TSM415CSCU	14 x 28 x 4 1/2	35
TSM420CSCU		
TSM815CSCU	16 3/4 x 33 x 6 3/16	50
TSM820CSCU		



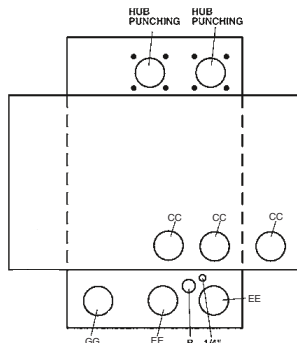
01

01 Wiring diagram for
TSM415CSCU
TSM420CSCU

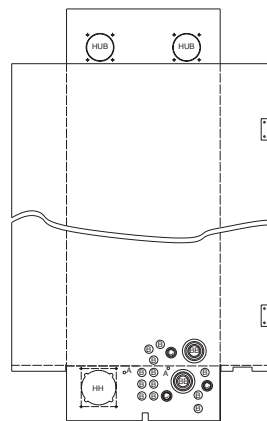
02 Knockouts diagram for
TSM415CSCU
TSM420CSCU

03 Knockouts diagram for
TSM815CSCU
TSM820CSCU

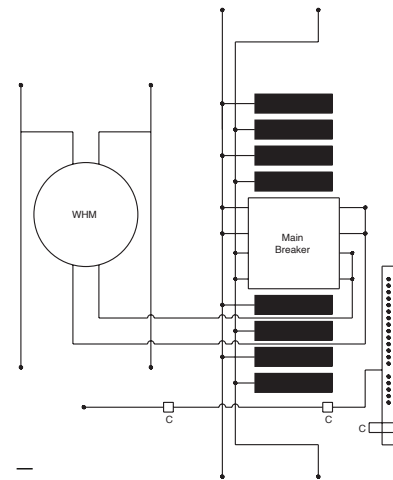
04 Wiring diagram for
TSM815CSCU
TSM820CSCU



02



03



04

ABB Inc.
305 Gregson Drive
Cary, NC 27511
United States

electrification.us.abb.com

GE is a trademark of GE.
Manufactured by ABB Inc. under license
from General Electric Company.

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, disclosure to third parties or utilization of its contents – in whole or in parts – is forbidden without prior written consent of ABB Inc. © 2022 ABB All rights reserved

PowerMark Gold is a trademark of ABB Inc.