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PJP Auditorium

Siemens Submittal Package

Date: 5/21/2026

usa.siemens.com/powerdistribution

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Job Name:	PJP Auditorium
Quote Name:	PJP Auditorium
Quote Number:	broomx00c_05212600_00_00_M00
Distributor:	CONSOLIDATED ELECTRICAL DISTRIBUTORS INC

Approval Drawings:

Upon the return of 1 Copy of "Approved " or "No Exceptions Noted" drawings with release, it will be considered fact that the material as shown meets the requirements of the plans and specifications. For drawings returned indicating "Approved as Noted" or "Exceptions as Noted", the cost of any additional equipment not included in the original quotation will be reflected in the total invoice price. Any changes other than those shown on these returned drawings will not be considered the responsibility of Siemens. It must be noted that these drawings and descriptive literature incorporate Siemens' interpretation of the plans and specifications and are subject to corrections of errors. The above material is on "Hold for Release" status and will not be released until the receipt of signed submittals having one of the above notations with formal release. These drawings along with release should be returned as soon as possible so as not to cause any delays in shipping and/or escalation that might be incurred due to these delays.

SUBMITTAL CHECK LIST:

Siemens requires the information below to be reviewed and signed prior to equipment release.

Yes	No	N/A	
☐	☐	☐	Lug sizes has been verified for all equipment.
☐	☐	☐	Orientation/circuiting of breakers has been verified for all equipment.
☐	☐	☐	Nameplate information has been verified for all equipment.
☐	☐	☐	Top or Bottom entry has been verified for all equipment.
☐	☐	☐	Surface or flush mount has been verified for the Panelboards.
☐	☐	☐	Shipping splits has been verified for Switchboards/Switchgear.
☐	☐	☐	Incoming left or right has been verified for Switchboards/Switchgear.
☐	☐	☐	Dimensions have been verified for Switchboards/Switchgear.
☐	☐	☐	Dimensions have been verified for Multi-Family Metering.
☐	☐	☐	Arc flash mitigation requirements have been addressed.
☐	☐	☐	Applicable drawings have been approved by the utility having jurisdiction. (If product is released before final AHJ approval, contractor is responsible for any modifications required.)

We ask our customers to review this checklist for your benefit to ensure you receive the correct material and mitigate field installation issues or delays.

☐ **Approved**

☐ **Approved As Noted** - Make necessary changes. No re-submittal required.

☐ **Revise / Resubmit** - Make necessary changes. Re-submittal required.

☐ **Not Approved**

Comments:

Signature _____ **Date** _____

SIEMENS SUBMITTAL

Warranty Information

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Warranty Information

(A) Warranties. Siemens warrants that: (i) each Product is free from defects in material and workmanship; (ii) each Product materially conforms to Siemens' specifications that are attached to, or expressly incorporated into this Agreement; and (iii) at the time of delivery, Siemens has title to each Product free and clear of liens and encumbrances (collectively, the 'Warranties'). The Warranties do not apply to software furnished by Siemens. The sole and exclusive warranties for any software are set forth in the applicable Software License/Warranty Addendum.

(B) Conditions to the Warranties. The Warranties are conditioned on: (i) no repairs, modifications or alterations being made to the Product other than by Siemens or its authorized representatives; (ii) Buyer handling, using, storing, installing, operating and maintaining the Product in compliance with any parameters or instructions in any specifications attached to, or incorporated into this Agreement; (iii) compliance with all generally accepted industry standards; (iv) Buyer discontinuing use of the Product after it has, or should have had, knowledge of any defect; (v) Buyer providing prompt written notice of any warranty claims within the warranty period described below; (vi) at Siemens' discretion, Buyer either removing and shipping the Product or non-conforming part thereof to Siemens, at Buyer's expense, or granting Siemens reasonable access to the Products to assess the warranty claims; (vii) Product not having been subjected to accident (including force majeure), alteration, abuse or misuse; and (viii) Buyer not being in default of any payment obligation.

(C) Exclusions from Warranty Coverage. The Warranties do not apply to any equipment not provided by Siemens under this Agreement. Any Product that is described as being experimental, developmental, prototype, or pilot is specifically excluded from the Warranties and is provided to Buyer “as is” with no warranties of any kind. Normal wear and tear is excluded, including any expendable items that comprise part of the Product (such as fuses, light bulbs and lamps). Siemens does not warrant or guarantee that any Product will be secure from cyber threats, hacking or similar malicious activity. Products that are networked, connected to the internet, or otherwise connected to computers or other devices must be appropriately protected by Buyer and/or end user against unauthorized access.

(D) Warranty Period. Buyer must provide written notice of any claims for breach of Warranties by the earlier of the warranty periods listed below.

TPS Surge Products – ten (10) years

All other Siemens products - twelve (12) months from initial operation of the Product or eighteen (18) months from shipment.

Additionally, absent written notice within the warranty period, any use or possession of the Product after expiration of the warranty period is conclusive evidence that the Warranties have been satisfied.

(E) Remedies. Buyer's sole and exclusive remedies for breach of the Warranties are limited, at Siemens' discretion, to repair or replacement of the Product, or its non-conforming parts, within a reasonable time period, or refund of all or part of the purchase price. The warranty on repaired or replaced parts is limited to the remainder of the original warranty period. Unless Siemens agrees otherwise in writing, Buyer will be responsible for any costs associated with: (i) gaining access to the Product; (ii) removal, disassembly, replacement, installation, or reinstallation of any equipment, materials or structures to permit Siemens to perform its warranty obligations; (iii) transportation to and from the Siemens factory or repair facility; and (iv) damage to equipment components or parts resulting in whole or in part from non-compliance by the Buyer with Part (B) above, or from their deteriorated condition. All exchanged Products replaced under this Warranty will become the property of Siemens.

(F) Transferability. The Warranties are only transferable during the warranty period and only to the Product’s initial end-user.

(G) THE WARRANTIES SET FORTH ABOVE ARE SIEMENS' SOLE AND EXCLUSIVE WARRANTIES AND ARE SUBJECT TO THE LIMITS OF LIABILITY BELOW. SIEMENS MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, COURSE OF DEALING AND USAGE OF TRADE.

LIMITATION OF LIABILITY NOTWITHSTANDING ANYTHING IN THIS AGREEMENT TO THE CONTRARY, SIEMENS IS NOT LIABLE, WHETHER BASED IN CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE), STRICT LIABILITY, INDEMNITY OR ANY OTHER LEGAL OR EQUITABLE THEORY, FOR: LOSS OF USE, REVENUE, SAVINGS, PROFIT, INTEREST, GOODWILL OR OPPORTUNITY, COSTS OF CAPITAL, COSTS OF REPLACEMENT OR SUBSTITUTE USE OR PERFORMANCE, LOSS OF INFORMATION AND DATA, LOSS OF POWER, VOLTAGE IRREGULARITIES OR FREQUENCY FLUCTUATION, CLAIMS ARISING FROM BUYER’S THIRD PARTY CONTRACTS, OR FOR ANY TYPE OF INDIRECT, SPECIAL, LIQUIDATED, PUNITIVE, EXEMPLARY, COLLATERAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR FOR ANY OTHER LOSS OR COST OF A SIMILAR TYPE.

SIEMENS' MAXIMUM LIABILITY UNDER THIS AGREEMENT IS THE ACTUAL PURCHASE PRICE RECEIVED BY SIEMENS FOR THE PRODUCT THAT GAVE RISE TO THE CLAIM

BUYER AGREES THAT THE EXCLUSIONS AND LIMITATIONS WILL PREVAIL OVER ANY CONFLICTING TERMS AND CONDITIONS IN THIS AGREEMENT AND MUST BE GIVEN FULL FORCE AND EFFECT, WHETHER OR NOT ANY OR ALL SUCH REMEDIES ARE DETERMINED TO HAVE FAILED OF THEIR ESSENTIAL PURPOSE. THESE LIMITATIONS OF LIABILITY ARE EFFECTIVE EVEN IF SIEMENS HAS BEEN ADVISED BY BUYER OF THE POSSIBILITY OF SUCH DAMAGES. THE WAIVERS AND DISCLAIMERS OF LIABILITY, RELEASES FROM LIABILITY AND LIMITATIONS ON LIABILITY EXPRESSED EXTEND TO SIEMENS' AFFILIATES, PARTNERS, PRINCIPALS, SHAREHOLDERS, DIRECTORS, OFFICERS, EMPLOYEES, SUPPLIERS, AGENTS, AND SUCCESSORS AND ASSIGNS.

SIEMENS SUBMITTAL

Low-Voltage Transformers

Specification 26 22 13

Contents

TYZ:17_TRANSFORMER

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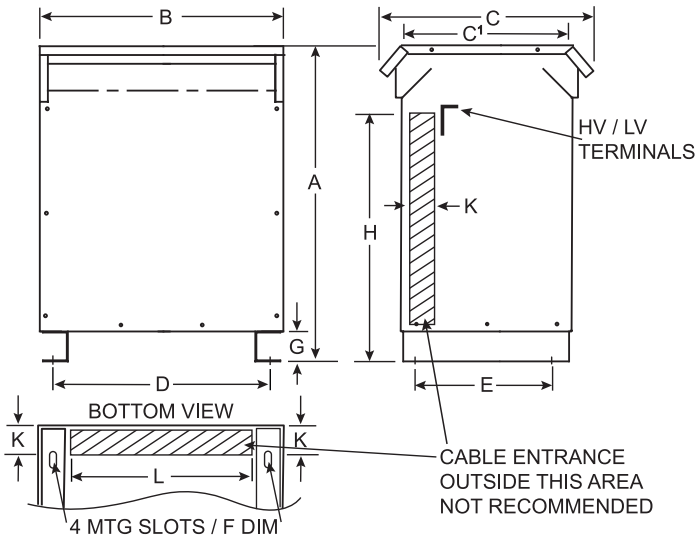
STANDARD ENCLOSURE AND MOUNTING DIMENSIONS

General Purpose Transformer, NEMA 3R, 3 phase, 600V, 150°C rise, K-1

General Specifications

Type: Ventilated
Temp Rise: 150°C
K-Factor: K-1
Frequency: 60 Hz
Windings: Aluminum or Copper
Efficiency: DOE-2016

Measurements in inches/pounds below; metric dimensions on other side.



Dimensions in inches													
kVA	Net Wt (lbs) AL	Net Wt (lbs) CU	A	B	C	C¹	D	E	F	G	H	K	L
15	240	265	22.0	19.0	21.0	16.0	15.8	12.0	0.56 x 1.13	3.0	16.0	3.0	13.0
30	360	390	25.0	22.0	22.0	17.0	18.1	13.0	0.56 x 1.13	3.0	19.0	3.0	15.0
45	480	525	28.0	25.0	23.5	18.5	20.8	14.5	0.56 x 1.13	3.0	22.0	3.0	17.0
75	625	690	32.0	27.0	26.0	21.0	23.5	16.0	0.56 x 1.13	3.0	26.0	3.0	20.0
112.5	875	965	38.0	29.0	28.5	23.0	25.5	18.0	0.56 x 1.13	3.0	32.0	3.0	22.0
150	1225	1350	42.0	33.0	32.5	26.0	30.0	21.0	0.56 x 1.13	3.0	35.0	4.0	25.5
225	1545	1700	46.0	35.0	37.0	30.0	31.5	25.0	0.56 x 1.13	3.0	39.0	5.0	27.5
300	1895	2050	52.0	35.0	37.0	30.0	31.5	25.0	0.56 x 1.13	3.0	45.0	5.0	27.5
500	3220	3550	60.0	48.0.	43.5	33.0	42.0	27.0	0.56 x 1.13	4.0	50.0	5.0	38.0
750	4250	4665	72.2	52.0	44.2	40.0	47.0	42.0	0.56 x 1.13	4.0	56.0	5.0	44.25
1000	6100	6700	81.0	66.0	61.0	44.0	63.0	38.5	0.56 x 1.13	5.0	69.0	6.0	57.0

Housing dimensions subject to change without notice. Consult factory where dimensions are critical.

NOTES:

1. All units are UL listed and are designed in accordance with ANSI C89.2 and NEMA ST-20 standards
2. These transformers utilize a UL recognized 220°C insulation system
3. Transformers are dry type, Class AA,ventilated enclosure for indoor or outdoor use
4. For lifting other than with fork truck, remove top cover and use core clamps
5. Paint color is ANSI #61 Gray
6. Full width copper electrostatic shield (optional)
7. 6″ required clearance from the wall
8. HV/LV terminals are top front terminated
9. Meets DOE-2016 efficiency 10 CFR Part 431
10. Meets NRCan C802 2019 standards for efficiency
11. Net Weights are approximate

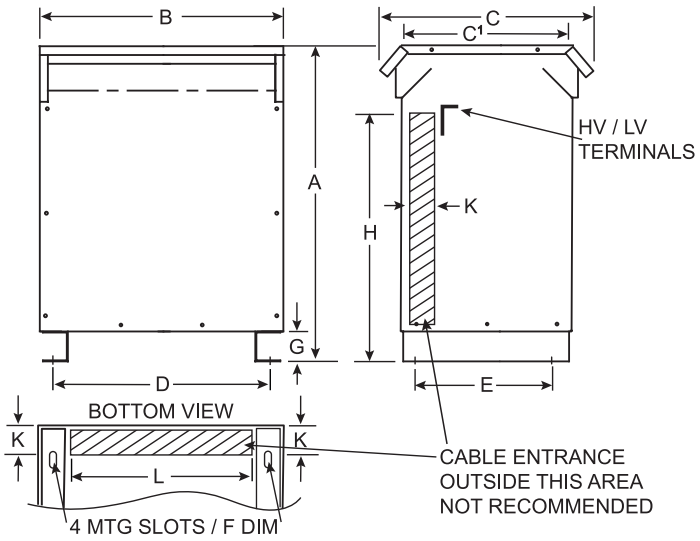
STANDARD ENCLOSURE AND MOUNTING DIMENSIONS

General Purpose Transformer, NEMA 3R, 3 phase, 600V, 150°C rise, K-1

General Specifications

Type: Ventilated
Temp Rise: 150°C
K-Factor: K-1
Frequency: 60 Hz
Windings: Aluminum or Copper
Efficiency: DOE-2016

Measurements in centimeters/kilograms below; inches/pounds dimensions on other side.



Dimensions in centimeters													
kVA	Net Wt (kg) AL	Net Wt (kg) CU	A	B	C	C¹	D	E	F	G	H	K	L
15	108.9	120.2	55.9	48.3	53.3	40.6	40.1	30.5	1.42 x 2.87	7.6	40.6	7.6	33.0
30	163.3	176.9	63.5	55.9	55.9	43.2	46.0	33.0	1.42 x 2.87	7.6	48.3	7.6	38.1
45	217.7	238.1	71.1	63.5	59.7	47.0	52.8	36.8	1.42 x 2.87	7.6	55.9	7.6	43.2
75	283.5	313.0	81.3	68.6	66.0	53.3	59.7	40.6	1.42 x 2.87	7.6	66.0	7.6	50.8
112.5	396.9	437.7	96.5	73.7	72.4	58.4	64.8	45.7	1.42 x 2.87	7.6	81.3	7.6	55.9
150	555.7	612.3	106.7	83.8	82.6	66.0	76.2	53.3	1.42 x 2.87	7.6	88.9	10.2	64.8
225	700.8	771.1	116.8	88.9	94.0	76.2	80.0	63.5	1.42 x 2.87	7.6	99.1	12.7	69.9
300	859.6	929.9	132.1	88.9	94.0	76.2	80.0	63.5	1.42 x 2.87	7.6	114.3	12.7	69.9
500	1460.6	1610.3	152.4	121.9	110.5	83.8	106.7	68.6	1.42 x 2.87	10.2	127.0	12.7	96.5
750	1927.8	2116.0	183.4	132.1	112.3	101.6	119.4	106.7	1.42 x 2.87	10.2	142.2	12.7	112.4
1000	2766.9	3039.1	205.7	167.6	154.9	111.8	160.0	97.8	1.42 x 2.87	12.7	175.3	15.2	144.8

Housing dimensions subject to change without notice. Consult factory where dimensions are critical.

NOTES:

1. All units are UL listed and are designed in accordance with ANSI C89.2 and NEMA ST-20 standards
2. These transformers utilize a UL recognized 220°C insulation system
3. Transformers are dry type, Class AA,ventilated enclosure for indoor or outdoor use
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11. Net Weights are approximate

SIEMENS SUBMITTAL

Panelboards

Specification 26 24 16

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P1 Panelboards

The P1 Panelboards are available in both Feed-thru (FT) and Non-Feed-thru (NFT) variations. There is a savings of 6" of box height when a NFT version is selected which eliminates the sub-feed space. The Sub-Feed Space is where the Feed-thru Lugs, sub-feed breaker or a Surge Protection Device (SPD) is installed. The interior part number will end with a "T" for FT panels and will end with an "N" for NFT panels.

The P1 Panelboards also have Extended Circuit variations with 54 circuits and 66 circuits available.

Feed-thru (FT) panels are pre-engineered to accept the most common modifications without increasing box height. The enclosure size is determined by the number of circuits as shown in the Main Lug Table P1-5 or the Main Circuit Breaker Table P1-3.

All P1 FT main lug or main breaker panelboards have space built-in to accept either feed-thru lugs equal to the panel rating (or) one subfeed circuit breaker up to 250 amperes (or) a surge suppressor (SPD) without increasing box height. **(When ordered with sub-feed space the interior part # will end with a "T").**

Non-Feed-thru (NFT) panels do not have a sub-feed space and cannot accept feed-thru lugs (or) sub-feed Breakers (or) SPD/TVSS devices. **(NFT panel interior part # will end in "N").**

Note the following features, all found in the innovative P1 lighting panelboards:

- Symmetrical 250A FT Interiors – To change from top to bottom-feed (or vice-versa), simply invert the interior. The deadfront labeling is always legible, even on the NFT panels when inverted.
  - 400A are not symmetrical, but they are invertable.
- First in the Industry Ratings of 125 through 400A main lug and main breaker. Field convertible from main lug to main breaker and vice versa – with no increase in enclosure height.
- Field adaptability of feed-thru lugs (or) sub-feed circuit breaker without increasing enclosure size. **(FT panels only)**
- Neutral system is field upgradeable to 200% capacity – another industry first. (also 2/0 neutrals are available as a field install kit)
- Extended circuit panels are now available – up to 66 circuits.
  - 18, 30, 42, 54 and 66 circuits for 250A **(FT & NFT)**
  - 26", 32", 38", 44", 50" and 56" standard Enclosures are used.
  - 30, 42 and 54 circuits for 400A (FT & NFT), also 66 circuit NFT
  - 56", 62", 68" and 74" standard Enclosures are used.
- Suitable for use as service entrance given compliance with NEC.
- Bonding provisions are shipped with each panel.
- 240V and 480Y / 277V versions utilize identical boxes & fronts

Enclosure – Standard Type 1 enclosure is 20" wide x 5.75" deep. Box Height is determined only by the number of circuits and FT or NFT selection, not by main lug or main circuit breaker. See charts P1-3 and P1-5 for box height.

Voltage – 480Y/277 Vac max. (Limited options for 600Y / 347V)

Amperage – 400 amp max.

Short Circuit Rating – 200 KAIC max. symmetrical or equal to the lowest rated device installed unless a series rating is indicated. Panels with subfeed or feed-thru lugs without a main device, circuit breaker or fusible unit, are limited to a three-cycle rating. The three-cycle rating for the P1 panel is limited to 22 KAIC. Note that the main device may be mounted remote from the panel.

Bussing – The P1 panel meets the majority of the markets bussing requirements. The standard bussing is temperature rated aluminum. The rating is per the requirements of UL 67– the standard for panelboards. All aluminum bussing is tin-plated. Optional bussing for the P1 panel is temperature rated copper. The copper bus option for this panel is tin-plated.

Weight – Approximate
Total panelboard weight when filled with a normal quantity of breakers and accessories is about 3 lbs. (1.36 kg) per inch (54g per mm) of box height.

Table P1-1 – Box Material Gauge

Width	Height (inches)	Gauge Steel
20" (250A)	26, 32, 38, 44, 50, 56	#16 (#17 for endwalls)
(400A)	56, 62, 68, 74	#16 (#17 for endwalls)

Table P1-2 – Trim Material Gauge

20" (250A)	26, 32, 38, 44, 50, 56	#14
(400A)	56, 62, 68, 74	#14

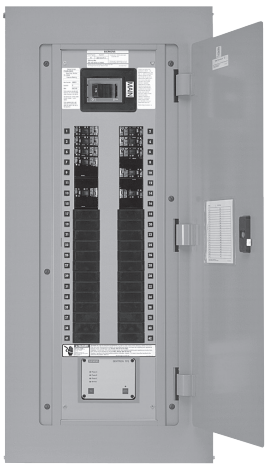
Note: Tables in this document are numbered to match tables in Revised P1 S&A guide for consistency.

Application

Type P1 Panelboards

Table P1-3 – Main Breaker Panel Size Selector – P1

Max Ampere rating	Main Breaker Types	Connections suitable for Cu or Al	Max # Poles FT ①	Max # Poles NFT	Dimensions in inches (mm) Unit Space FT A	Unit Space NFT A	Box Height B	Weight in Lbs. (kg)
100	BL②, BLH②, HBL②, BQD②	#8-#6 AWG Cu or Al #8-6 AWG Cu or #8-4 AWG Al #8-#1 AWG Cu or #6-#1/0 AWG Al		18	–	9	26 (661)	90 (41)
			18	30	9	15	32 (813)	105 (48)
			30	42	15	21	38 (965)	120 (55)
			42	54	21	27	44 (1118)	135 (61)
			54	66	27	33	50 (1270)	150 (67)
			66	–	33	–	56 (1423)	165 (73)
125	NGB②, HGB②, LGB②	15-30 amp: #14-#6 Cu or #12-#6 Al 35-125 amp: #6-1/0 Cu #4-2/0 Al		18	–	9	26 (661)	95 (43)
	ED4	#14-#10 AWG Cu or #12-10 AWG Al	18	30	9	15	32 (813)	110 (50)
			30	42	15	21	38 (965)	125 (57)
	ED6, HED4	#3-3/0 Cu or #1-2/0 Al #3-3/0 Cu or #1-2/0 Al	42	54	21	27	44 (1118)	140 (64)
			54	66	27	33	50 (1270)	155 (71)
			66	–	33	–	56 (1423)	170 (78)
225	QJ2, QJH2, QJ2H, QR2, QRH2, HQR2, HQR2H	#6 AWG-300 Kcmil (Cu) or #4 AWG-300 Kcmil (Al)		18	–	9	26 (661)	95 (43)
			18	30	9	15	32 (813)	110 (50)
			30	42	15	21	38 (965)	125 (57)
250	FXD6, FD6, HFD6, HFXD6	#6 AWG-350 Kcmil (Cu) or #4 AWG-350 Kcmil (Al)	42	54	21	27	44 (1118)	140 (64)
			54	66	27	33	50 (1270)	155 (71)
			66	–	33	–	56 (1423)	170 (78)
400	JD6, JXD6, HJD6, HJXD6	3/0-500 Kcmil (Cu) or 4/0-500 Kcmil (Al)	–	30	–	15	56 (1423)	172 (78)
			30	42	15	21	62 (1575)	190 (86)
			42	54	21	27	68 (1728)	208 (95)
			54	66	27	33	74 (1880)	226 (104)

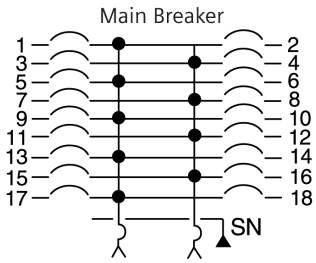


Note: Main breakers use breaker connectors. For sizes, see breaker connector chart. 400A MLO Panels have wire bend space for 600kcmil CU & AL wire when using standard lugs. With optional 750kcmil AL/CU connectors, wire bend space is available for up to 750kcmil AL wire, but is still limited to 600kcmil CU wire.
① 400A 66 circuit only available with non-feed thru versions.
② BL, BLH, HBL, BQD, and xGB mount in unit space and count in max. # of poles.

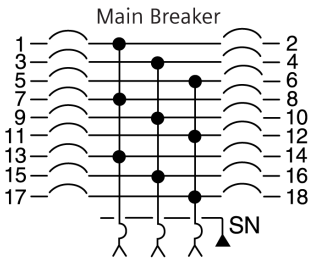
Table P1-5 - Main Lug Panel Size Selector - P1

Maximum Ampere rating	Max # Poles FT	Max # Poles NFT	Dimensions in inches (mm) Unit Space FT A	Unit Space NFT A	Box Height B"	Weight in Lbs. (kg)	MLO Connectors Suitable for
125 (or) 250		18	–	9	26 (661)	90 (41)	(1) #6 AWG - 350 kcmil (CU or AL)
	18	30	9	15	32 (813)	105 (48)	
	30	42	15	21	38 (965)	120 (55)	
	42	54	21	27	44 (1118)	135 (61)	
	54	66	27	33	50 (1270)	150 (67)	
	66	–	33	–	56 (1423)	165 (73)	
400	–	30	–	15	56 (1423)	120 (55)	AL (2) 1/0 - 250 kcmil or (1) #2 AWG - 600 kcmil CU (2) 1/0 - 4/0 or (1) #2 AWG - 600 kcmil
	30	42	15	21	62 (1575)	135 (61)	
	42	54	21	27	68 (1728)	150 (68)	
	54	66	27	33	74 (1880)	165 (75)	

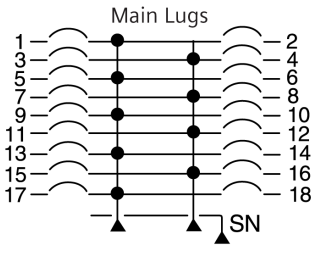
Typical Panelboard Wiring Diagrams



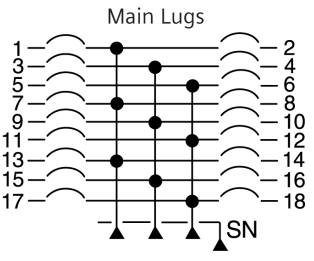
1 Phase, 3 Wire



3 Phase, 4 Wire,
3 Phase, 3 Wire (No SN)



1 Phase, 3 Wire



3 Phase, 4 Wire,
3 Phase, 3 Wire (No SN)

Application

Type P1 Panelboards

Table P1-6 – Branch Circuit Breakers

Max. Amp Rating	Breaker Type	Number of Poles	Max. Interrupting Rating (kA)					Available Trip Values	Connections Suitable for Cu or Al
			120V	120/240V	240V	277V	480/277V		
100	BL	1	10	–	–	–	–	15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 70	15-20A #14-#10 AWG Cu #12-#10 AWG Al 25-35A #8-#6 AWG Cu #8-#6 AWG Al 40-50A #8-#6 AWG Cu #8-#4 AWG Al 55-70A #8-#4 AWG Cu #8-#2 AWG Al 80-100A #4-#1/0 AWG Cu #2-#1/0 AWG Al
		2	–	10	–	–	–	15, 20, 25, 30, 35, 40, 50, 60, 70, 80, 90, 100	
		3	–	–	10	–	–	15, 20, 25, 30, 35, 40, 50, 60, 70, 80, 90, 100	
	BLR	2	–	–	10	–	–	15, 20, 30, 40, 50, 60, 70, 90, 100	
	BL, HID	1	10	–	–	–	–	15, 20, 30	
		2	–	10	–	–	–	15, 20, 30	
	BLH	1	–	22	–	–	–	15, 20, 30, 40, 50, 55, 60, 70	
		2	–	22	–	–	–	15, 20, 30, 40, 50, 60, 70, 90, 100	
		3	–	–	22	–	–	15, 20, 30, 40, 50, 60, 70, 80, 90, 100	
	HBL	1	–	65	–	–	–	15, 20, 30, 40, 50	
		2	–	65	–	–	–	15, 20, 30, 40, 50, 60, 70	
		3	–	–	65	–	–	15, 20, 30, 40, 50, 60, 70, 80, 90, 100	
	BLF2 BLFB	1	10	–	–	–	–	15, 20, 30	
		2	–	10	–	–	–	15, 20, 30, 40, 50, 60	
	BLHF2 BLHFB	1	22	–	–	–	–	15, 20, 30	
		2	–	22	–	–	–	15, 20, 30, 40, 50, 60	
	HBLF2	1	65	–	–	–	–	15, 20, 30	
	BG ①	2	10	–	–	–	–	15, 20, 30	
		3	–	10	–	–	–	15, 20, 30	
	BLE	1	10	–	–	–	–	15, 20, 30	
		2	–	10	–	–	–	15, 20, 30, 40, 50, 60	
	BLEH	1	22	–	–	–	–	15, 20, 30	
		2	–	22	–	–	–	15, 20, 30, 40, 50, 60	
	BAF	1	10	–	–	–	–	15, 20	
	BAFH	1	22	–	–	–	–	15, 20	
	BQD	1	–	65	–	14	–	15, 20, 25, 30, 35, 40, 50, 60, 70, 80, 90, 100	15-40A #14-#6 AWG Cu #12-#6 AWG Al 45-100A #8-#1 AWG Cu #6-#1/0 AWG Al
		2	–	65	–	–	14	15, 20, 25, 30, 35, 40, 50, 60, 70, 80, 90, 100	
		3	–	–	65	–	14	15, 20, 25, 30, 35, 40, 50, 60, 70, 80, 90, 100	
125	NGB ②③	1	100	–	–	25	–	15, 20, 25, 30, 35, 40, 50, 60, 70, 80, 90, 100, 125 ③	15-30A #14-#6 Cu #12-#6 Al 35-125 #6-1/0 Cu #4-2/0 Al
		2	–	100	100	–	25	15, 20, 25, 30, 35, 40, 50, 60, 70, 80, 90, 100, 125 ③	
		3	–	100	100	–	25	15, 20, 25, 30, 35, 40, 50, 60, 70, 80, 90, 100, 125 ③	
	HGB ②③	1	100	–	–	35	–	15, 20, 25, 30, 35, 40, 50, 60, 70, 80, 90, 100, 125 ③	
		2	–	100	100	–	35	15, 20, 25, 30, 35, 40, 50, 60, 70, 80, 90, 100, 125 ③	
		3	–	100	100	–	35	15, 20, 25, 30, 35, 40, 50, 60, 70, 80, 90, 100, 125 ③	
	LGB ②③	1	100	–	–	65	–	15, 20, 25, 30, 35, 40, 50, 60, 70, 80, 90, 100, 125 ③	
		2	–	100	100	–	65	15, 20, 25, 30, 35, 40, 50, 60, 70, 80, 90, 100, 125 ③	
		3	–	100	100	–	65	15, 20, 25, 30, 35, 40, 50, 60, 70, 80, 90, 100, 125 ③	

① Two-pole breaker is one phase and neutral. Three-pole is two phases and neutral.
② P1 panel with NGB/HGB/LGB branch devices will not accept BL or BQD frames in the same panel as branch devices.
③ The New Revised P1 (18 circuit 250A only) is limited to 100A per connection (200A per pair) when installing Branch Breakers across from one another. All other configurations allow 125A per connection max. (250A per pair max.)

Note: BL, HBL and BQD breakers are mounted in common mountings in 3" or (6) pole increments.

Application

Type P1 Panelboards

Table P1-7 – Subfeed Breakers

Breaker Type	Number of Poles	Max. Interrupting Rating (kA)		Available Trip Values
		240V	480Y/277V	
QJ2	2, 3	10	–	60, 70, 80, 90, 100, 110, 125, 150, 175, 200, 225
QJH2	2, 3	22	–	60, 70, 80, 90, 100, 110, 125, 150, 175, 200, 225
QJ2H	2, 3	42	–	60, 70, 80, 90, 100, 110, 125, 150, 175, 200, 225
QR2	2, 3	10	–	100, 110, 125, 150, 175, 200, 225
QRH2	2, 3	25	–	100, 110, 125, 150, 175, 200, 225
HQR2	2, 3	65	–	100, 110, 125, 150, 175, 200, 225
HQR2H	2, 3	100	–	100, 110, 125, 150, 175, 200, 225
ED4	2, 3	65	18	15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 70, 80, 90, 100, 110, 125
ED6	2, 3	65	25	15, 20, 25, 30, 35, 40 50, 60, 70, 80, 90, 100, 110, 125
HED4	2, 3	100	42	15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 70, 80, 90, 100, 110, 125
HHED6	2, 3	100	65	15, 20, 25, 30, 35, 40, 45, 50, 60, 70, 80, 90, 100, 110, 125
FXD6	2, 3	65	35	70, 80, 90, 100, 110, 125, 150, 175, 200, 225, 250
FD6	2, 3	65	35	70, 80, 90, 100, 110, 125, 150, 175, 200, 225, 250
HFD6	2, 3	100	65	70, 80, 90, 100, 110, 125, 150, 175, 200, 225, 250
HFXD6	2, 3	100	65	70, 80, 90, 100, 110, 125, 150, 175, 200, 225, 250

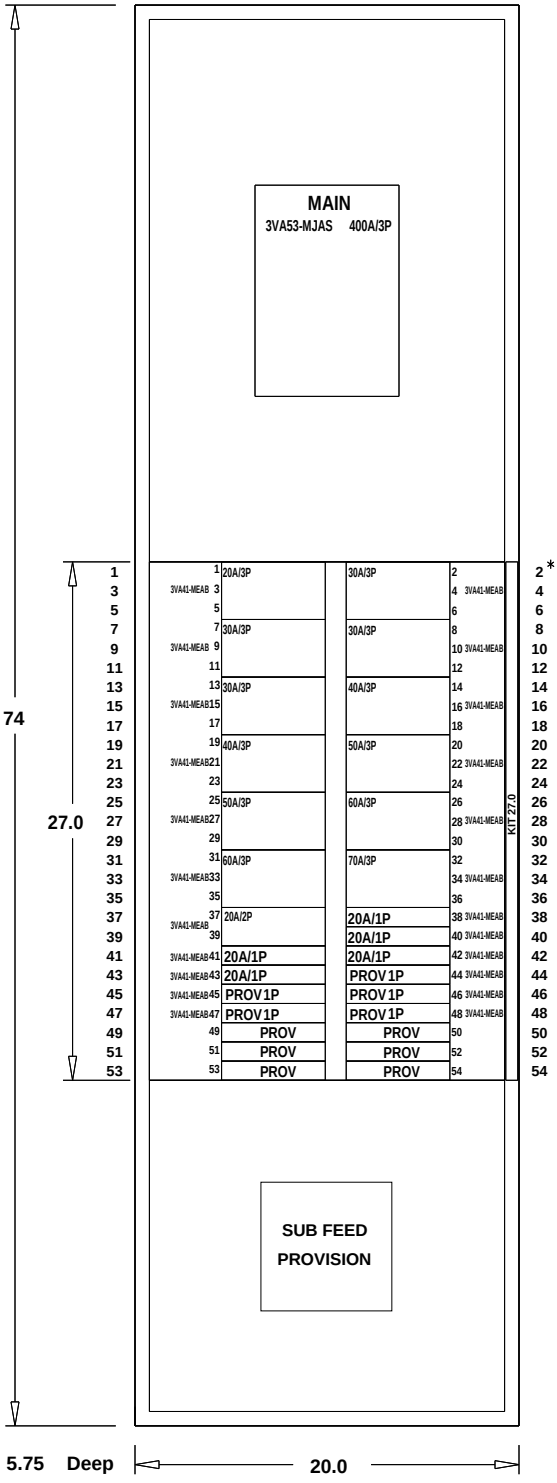
400 amp kit is for main—only, not allowed for subfeed breaker.

DESIGNATION(S): MDP

PANELBOARD NOTES

SECTION	:1 OF 1
PANEL TYPE	:P1
CATALOG NUMBER	:P1E54VE400CTFT
ENCLOSURE	:1 Indoor
SYSTEM VOLTAGE	:480Y/277 3Ø 4W Wye AC
IR RATING	:35 K AIC
MAIN BUS	:400 A
BUS MATERIAL	:Tin Plated Copper
FEED	:Top
MOUNTING	:Flush
SE LABEL	:Yes
SERIES RATED	:No
CONDUIT AREA	:N/A

*INDICATES POSITIONING NUMBERS TO HELP WITH THE MANUAL PLACEMENT OF BREAKERS ON THE MECHANICAL VIEW
NOTE:THE DIMENSIONS ON THE LEFT ARE FOR THE MINIMUM SIZE UL LISTED ENCLOSURE REQUIRED FOR THIS INTERIOR. REFER TO SPEEDFAX FOR ACTUAL ENCLOSURE DIMENSIONS



1		20A/3P	30A/3P	2	2*
3	3VA41-MEAB			4	4
5				6	6
7		30A/3P	30A/3P	8	8
9	3VA41-MEAB			10	10
11				12	12
13		30A/3P	40A/3P	14	14
15	3VA41-MEAB			16	16
17				18	18
19		40A/3P	50A/3P	20	20
21	3VA41-MEAB			22	22
23				24	24
25		50A/3P	60A/3P	26	26
27	3VA41-MEAB			28	28
29				30	30
31		60A/3P	70A/3P	32	32
33	3VA41-MEAB			34	34
35				36	36
37		20A/2P	20A/1P	38	38
39	3VA41-MEAB		20A/1P	40	40
41	3VA41-MEAB	20A/1P	20A/1P	42	42
43	3VA41-MEAB	20A/1P	PROV 1P	44	44
45	3VA41-MEAB	PROV 1P	PROV 1P	46	46
47	3VA41-MEAB	PROV 1P	PROV 1P	48	48
49		PROV	PROV	50	50
51		PROV	PROV	52	52
53		PROV	PROV	54	54

PANELBOARD COMPONENTS

Main :
1 - 400A /3P-3VA53-MJAS MAIN BREAKER
1-3VA Mechanical (2)2/0-250Kcmil Cu/Al Lug
1-Lug Catalog #: 3VA94730JJ23
1-Serv Entr Barr - 3VA53

Branches :
6 - GB PROVISION
1 - 20A /3P-3VA41-MEAB
1-3VA Mechanical (1)#14-#8 AL/Cu Lug
4 - 30A /3P-3VA41-MEAB
1-3VA Mechanical (1)#14-#8 AL/Cu Lug
2 - 40A /3P-3VA41-MEAB
1-3VA Mechanical (1)#14-#8 AL/Cu Lug
2 - 50A /3P-3VA41-MEAB
1-3VA Mechanical (1)#14-3/0 AL / CU Lug
2 - 60A /3P-3VA41-MEAB
1-3VA Mechanical (1)#14-3/0 AL / CU Lug
1 - 70A /3P-3VA41-MEAB
1-3VA Mechanical (1)#14-3/0 AL / CU Lug
1 - 20A /2P-3VA41-MEAB
1-3VA Mechanical (1)#14-#8 AL/Cu Lug
5 - 20A /1P-3VA41-MEAB
1-3VA Mechanical (1)#14-#8 AL/Cu Lug
5 - 1P-3VA41-MEAB - PROV

Options :
1-Subfeed/Feedthru Provision
1-Gnd Conn-Shipped w/ Interior
1-Std Al/Cu Gnd Connector
1-Master NP Secured -Adhesive
1-Card Holder-Std Plastic Sleeve
1-400A 100% Neutral 54Cir (AL/CU Branch Connector)
1-RP1 3 Phase Main Kit 3VA53/3VA63
1-Al/Cu Branch Connector
1-Certification - UL

NO.	REVISIONS	DRAWN BY	DATE
1	0	broomx00c052126	5-21-2026

JOB: **PJP Auditorium**

P.O.: -	CUST.: CONSOLIDATED ELECTRICALDISTRIBUTORS INC		
CONTR: -	CONSLT: -		
TIE: -	BY: broomx00c	ENG. LOC.: -	DESIGNATION: MDP
S.O.: -	DATE: 5-21-2026		

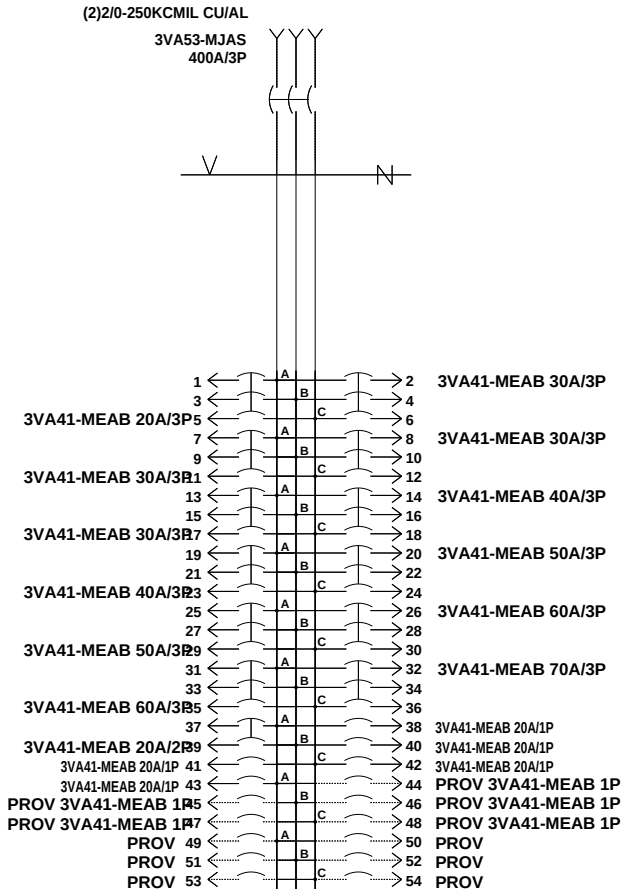
Siemens Industry, Inc.
Norcross, Georgia

DWG. NO.: broomx00c_05212600_00_00_M00-20000-1
APP.: | MFG. LOC.: -
APP.: | DWG. FILE:
SHEET 1 OF 5
REV.: 1

PANELBOARD NOTES

SECTION	:1 OF 1
PANEL TYPE	:P1
CATALOG NUMBER	:P1E54VE400CTFT
ENCLOSURE	:1 Indoor
SYSTEM VOLTAGE	:480Y/277 3Ø 4W Wye AC
IR RATING	:35 K AIC
MAIN BUS	:400 A
BUS MATERIAL	:Tin Plated Copper
FEED	:Top
MOUNTING	:Flush
SE LABEL	:Yes
SERIES RATED	:No
CONDUIT AREA	:N/A

*INDICATES POSITIONING NUMBERS TO HELP WITH THE MANUAL PLACEMENT OF BREAKERS ON THE MECHANICAL VIEW
NOTE:THE DIMENSIONS ON THE LEFT ARE FOR THE MINIMUM SIZE UL LISTED ENCLOSURE REQUIRED FOR THIS INTERIOR. REFER TO SPEEDFAX FOR ACTUAL ENCLOSURE DIMENSIONS



ABBREVIATIONS

'PROV' PROVISION FOR FUTURE DEVICE

JOB: PJP Auditorium			
P.O.: -	CUST.: CONSOLIDATED ELECTRICALDISTRIBUTORS INC		
CONTR: -	CONSLT: -		
TIE: -	BY: broomx00c	ENG. LOC.: -	DESIGNATION: MDP
S.O.: -	DATE: 5-21-2026		
Siemens Industry, Inc. Norcross, Georgia	DWG. NO.: broomx00c_05212600_00_00_M00-20000-2		
	APP.:	MFG. LOC.: -	SHEET 2 OF 5
	APP.:	DWG. FILE:	REV.: 1

CIRCUIT SCHEDULE

CIRCUIT NUMBER	UNIQUE ID NO.	TRIP AMPS (A)	POLES	DEVICE TYPE	INTERRUPT RATING (AIC)	METER ACC	CT RATING	LOAD LUG SIZE PER PHASE	CIRCUIT IDENTIFICATION
1/3/5	8	20	3	3VA41-MEAB	35,000	N/A	_	(1)#14-#8 CU/AL	-
7/9/11	10	30	3	3VA41-MEAB	35,000	N/A	_	(1)#14-#8 CU/AL	-
13/15/17	12	30	3	3VA41-MEAB	35,000	N/A	_	(1)#14-#8 CU/AL	-
19/21/23	14	40	3	3VA41-MEAB	35,000	N/A	_	(1)#14-#8 CU/AL	-
25/27/29	16	50	3	3VA41-MEAB	35,000	N/A	_	(1)#14-3/0 CU/AL	-
31/33/35	18	60	3	3VA41-MEAB	35,000	N/A	_	(1)#14-3/0 CU/AL	-
37/39	20	20	2	3VA41-MEAB	35,000	N/A	_	(1)#14-#8 CU/AL	-
41	23	20	1	3VA41-MEAB	35,000	N/A	_	(1)#14-#8 CU/AL	-
43	25	20	1	3VA41-MEAB	35,000	N/A	_	(1)#14-#8 CU/AL	-
45	27	20	1	VLG-PROV	35,000	N/A	_	(1)#14-#8 CU/AL	-
47	29	20	1	VLG-PROV	35,000	N/A	_	(1)#14-#8 CU/AL	-
49	31	_	1	VLG-PROV	_	_	_	_	-
51	33	_	1	VLG-PROV	_	_	_	_	-
53	35	_	1	VLG-PROV	_	_	_	_	-
2/4/6	9	30	3	3VA41-MEAB	35,000	N/A	_	(1)#14-#8 CU/AL	-
8/10/12	11	30	3	3VA41-MEAB	35,000	N/A	_	(1)#14-#8 CU/AL	-
14/16/18	13	40	3	3VA41-MEAB	35,000	N/A	_	(1)#14-#8 CU/AL	-
20/22/24	15	50	3	3VA41-MEAB	35,000	N/A	_	(1)#14-3/0 CU/AL	-
26/28/30	17	60	3	3VA41-MEAB	35,000	N/A	_	(1)#14-3/0 CU/AL	-
32/34/36	19	70	3	3VA41-MEAB	35,000	N/A	_	(1)#14-3/0 CU/AL	-
38	21	20	1	3VA41-MEAB	35,000	N/A	_	(1)#14-#8 CU/AL	-
40	22	20	1	3VA41-MEAB	35,000	N/A	_	(1)#14-#8 CU/AL	-
42	24	20	1	3VA41-MEAB	35,000	N/A	_	(1)#14-#8 CU/AL	-
44	26	20	1	VLG-PROV	35,000	N/A	_	(1)#14-#8 CU/AL	-
46	28	20	1	VLG-PROV	35,000	N/A	_	(1)#14-#8 CU/AL	-
48	30	20	1	VLG-PROV	35,000	N/A	_	(1)#14-#8 CU/AL	-
50	32	_	1	VLG-PROV	_	_	_	_	-
52	34	_	1	VLG-PROV	_	_	_	_	-
54	36	_	1	VLG-PROV	_	_	_	_	-

JOB
PJP Auditorium

P.O. -	CUST. CONSOLIDATED ELECTRICALDISTRIBUTORS INC		
CONTR -	CONSLT -		
TIE -	BY broomx00c	ENG. LOC. -	DESIGNATION MDP
S.O. -	DATE 5-21-2026		
Siemens Industry, Inc. Norcross, Georgia	DWG. NO. broomx00c_05212600_00_00_M00-20000-3		
	APP.	MFG. LOC. -	SHEET 3 OF 5
	APP.	DWG. FILE	REV. 1

NAMEPLATE SCHEDULE

DESCRIPTION	NAMEPLATE NUMBER	UNIQUE ID NO.	ENGRAVING 1	ENGRAVING 2	ENGRAVING 3	LEAVE BLANK
MASTER	N1			MDP		No

NAMEPLATE

MASTER	SIZE	1x3
	COLOR	Black/White Core
DEVICE	SIZE	1x3
	COLOR	Black/White Core

JOB
PJP Auditorium

P.O. -
CUST. CONSOLIDATED ELECTRICALDISTRIBUTORS INC
CONTR -
CONSLT -
TIE -
BY broomx00c
ENG. LOC. -
DESIGNATION MDP
S.O. -
DATE 5-21-2026

Siemens Industry, Inc.
Norcross, Georgia

DWG. NO. broomx00c_05212600_00_00_M00-20000-4
APP.
MFG. LOC. -
APP.
DWG. FILE
SHEET 4 OF 5
REV. 1

APPLICATION ENGINEERING REPORT

UNIQUE ID NUMBER	DESCRIPTION	APPLICATION DESCRIPTION

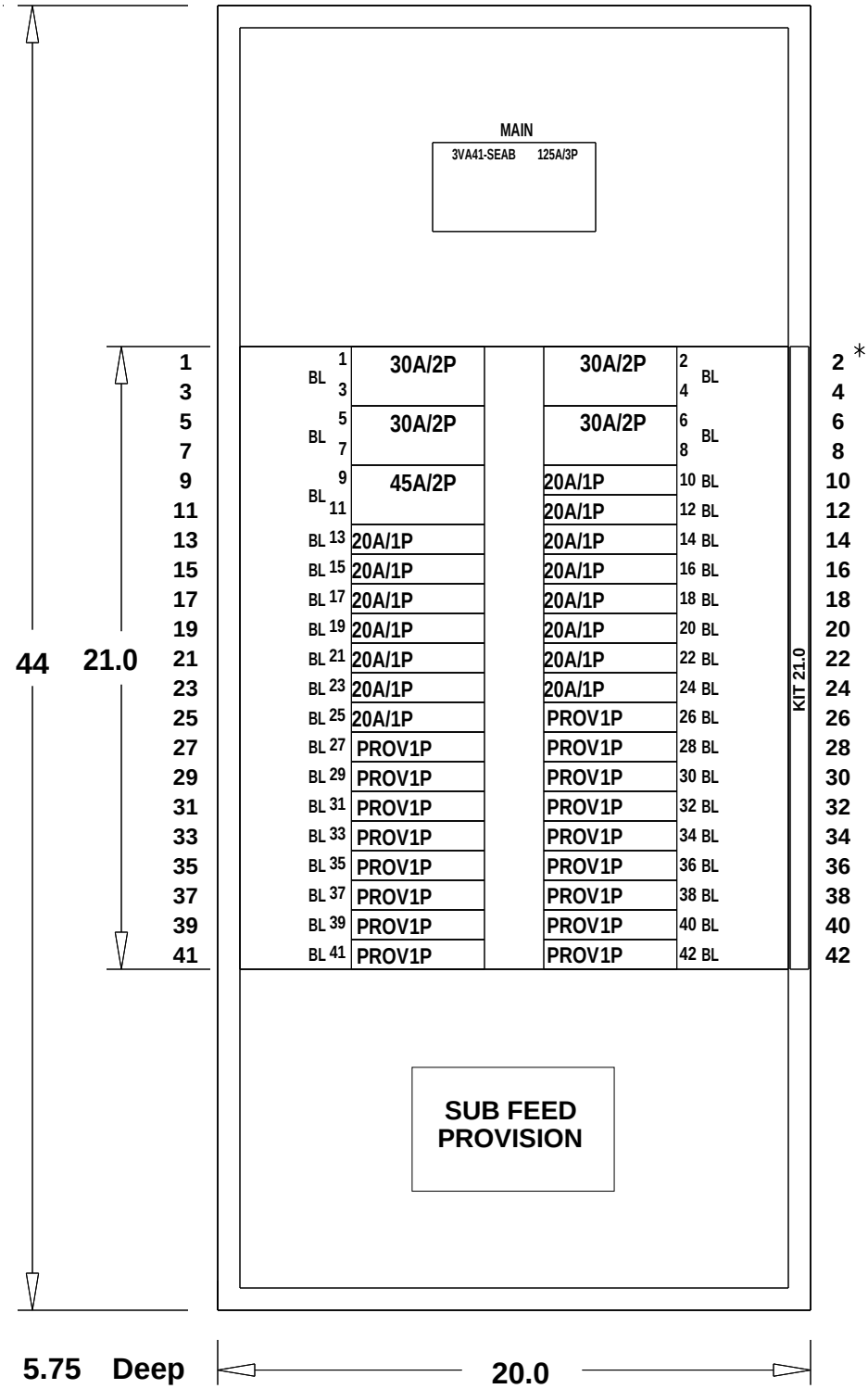
JOB: PJP Auditorium			
P.O.: -	CUST.: CONSOLIDATED ELECTRICALDISTRIBUTORS INC		
CONTR: -	CONSLT: -		
TIE: -	BY: broomx00c	ENG. LOC.: -	DESIGNATION: MDP
S.O.: -	DATE: 5-21-2026		
Siemens Industry, Inc. Norcross, Georgia	DWG. NO.: broomx00c_05212600_00_00_M00-20000-5		
	APP.:	MFG. LOC.: -	SHEET 5 OF 5
	APP.:	DWG. FILE:	REV.: 1

DESIGNATION(S): PP1

PANELBOARD NOTES

SECTION	:1 OF 1
PANEL TYPE	:P1
CATALOG NUMBER	:P1C42V1125CTFT
ENCLOSURE	:1 Indoor
SYSTEM VOLTAGE	:208Y/120 3Ø 4W Wye AC
IR RATING	:10 K AIC
MAIN BUS	:250 A
BUS MATERIAL	:Tin Plated Copper
FEED	:Top
MOUNTING	:Flush
SE LABEL	:No
SERIES RATED	:No
CONDUIT AREA	:N/A

*INDICATES POSITIONING NUMBERS TO HELP WITH THE MANUAL PLACEMENT OF BREAKERS ON THE MECHANICAL VIEW
NOTE:THE DIMENSIONS ON THE LEFT ARE FOR THE MINIMUM SIZE UL LISTED ENCLOSURE REQUIRED FOR THIS INTERIOR. REFER TO SPEEDFAX FOR ACTUAL ENCLOSURE DIMENSIONS



PANELBOARD COMPONENTS

Main :
1 - 125A /3P-3VA41-SEAB MAIN BREAKER
1-3VA Mechanical (1)#14-3/0 AL / CU Lug

Branches :
4 - 30A /2P-BL
1 - 45A /2P-BL
15 - 20A /1P-BL
17 - 1P-BL - PROV

Options :
1-Subfeed/Feedthru Provision
1-Gnd Conn-Shipped w/ Interior
1-Std Al/Cu Gnd Connector
1-250A 100% Neutral 42, 54Cir (AL/CU Branch Connector)
1-Master NP Secured -Adhesive
1-Card Holder-Std Plastic Sleeve
1-RP1 3 Phase Main Kit GB/3VA4
1-Al/Cu Branch Connector
1-Certification - UL

NO.	REVISIONS	DRAWN BY	DATE
1	0	broomx00c052126	5-21-2026

JOB: **PJP Auditorium**

P.O.: -	CUST.: CONSOLIDATED ELECTRICALDISTRIBUTORS INC
CONTR: -	CONSLT: -
TIE: -	BY: broomx00c; ENG. LOC.: -
S.O.: -	DATE: 5-21-2026
	DESIGNATION: PP1

Siemens Industry, Inc.
Norcross, Georgia

DWG. NO.: broomx00c_05212600_00_00_M00-21000-1
APP.: MFG. LOC.: -
APP.: DWG. FILE:
SHEET 1 OF 5
REV.: 1

PANELBOARD NOTES

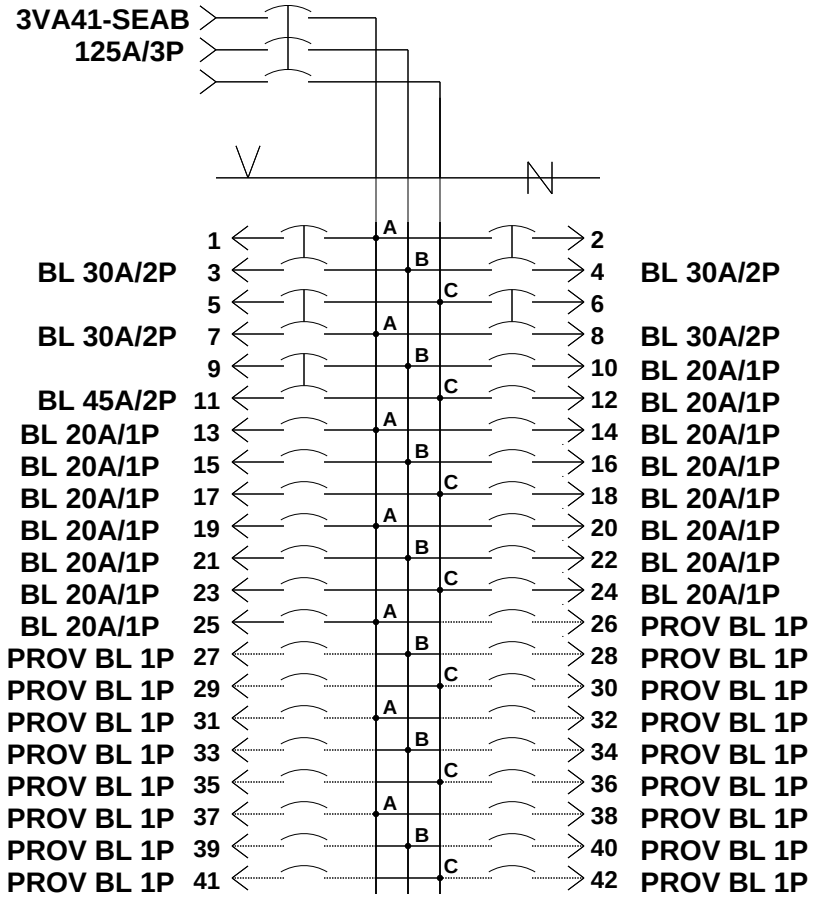
SECTION	:1 OF 1
PANEL TYPE	:P1
CATALOG NUMBER	:P1C42V1125CTFT
ENCLOSURE	:1 Indoor
SYSTEM VOLTAGE	:208Y/120 3Ø 4W Wye AC
IR RATING	:10 K AIC
MAIN BUS	:250 A
BUS MATERIAL	:Tin Plated Copper
FEED	:Top
MOUNTING	:Flush
SE LABEL	:No
SERIES RATED	:No
CONDUIT AREA	:N/A

*INDICATES POSITIONING NUMBERS TO HELP WITH THE MANUAL PLACEMENT OF BREAKERS ON THE MECHANICAL VIEW
NOTE:THE DIMENSIONS ON THE LEFT ARE FOR THE MINIMUM SIZE UL LISTED ENCLOSURE REQUIRED FOR THIS INTERIOR. REFER TO SPEEDFAX FOR ACTUAL ENCLOSURE DIMENSIONS

ABBREVIATIONS

'PROV' PROVISION FOR FUTURE DEVICE

(1)#14-3/0 CU/AL



JOB: PJP Auditorium			
P.O.: -	CUST.: CONSOLIDATED ELECTRICALDISTRIBUTORS INC		
CONTR: -	CONSLT: -		
TIE: -	BY: broomx00c	ENG. LOC.: -	DESIGNATION: PP1
S.O.: -	DATE: 5-21-2026		
Siemens Industry, Inc. Norcross, Georgia	DWG. NO.: broomx00c_05212600_00_00_M00-21000-2		
	APP.:	MFG. LOC.: -	SHEET 2 OF 5
	APP.:	DWG. FILE:	REV.: 1

CIRCUIT SCHEDULE

CIRCUIT NUMBER	UNIQUE ID NO.	TRIP AMPS (A)	POLES	DEVICE TYPE	INTERRUPT RATING (AIC)	METER ACC	CT RATING	LOAD LUG SIZE PER PHASE	CIRCUIT IDENTIFICATION
1/3	8	30	2	BL	10,000	N/A	N/A	(1)#14-#6 CU / #12-#6 AL	-
5/7	10	30	2	BL	10,000	N/A	N/A	(1)#14-#6 CU / #12-#6 AL	-
9/11	12	45	2	BL	10,000	N/A	N/A	(1)#8-#6 CU / #8-#4 AL	-
13	15	20	1	BL	10,000	N/A	N/A	(1)#14-#10 CU / #12-#10 AL	-
15	17	20	1	BL	10,000	N/A	N/A	(1)#14-#10 CU / #12-#10 AL	-
17	19	20	1	BL	10,000	N/A	N/A	(1)#14-#10 CU / #12-#10 AL	-
19	21	20	1	BL	10,000	N/A	N/A	(1)#14-#10 CU / #12-#10 AL	-
21	23	20	1	BL	10,000	N/A	N/A	(1)#14-#10 CU / #12-#10 AL	-
23	25	20	1	BL	10,000	N/A	N/A	(1)#14-#10 CU / #12-#10 AL	-
25	27	20	1	BL	10,000	N/A	N/A	(1)#14-#10 CU / #12-#10 AL	-
27	29	20	1	B-PROV	10,000	N/A	N/A	(1)#14-#10 CU / #12-#10 AL	-
29	31	20	1	B-PROV	10,000	N/A	N/A	(1)#14-#10 CU / #12-#10 AL	-
31	33	20	1	B-PROV	10,000	N/A	N/A	(1)#14-#10 CU / #12-#10 AL	-
33	35	20	1	B-PROV	10,000	N/A	N/A	(1)#14-#10 CU / #12-#10 AL	-
35	37	20	1	B-PROV	10,000	N/A	N/A	(1)#14-#10 CU / #12-#10 AL	-
37	39	20	1	B-PROV	10,000	N/A	N/A	(1)#14-#10 CU / #12-#10 AL	-
39	41	20	1	B-PROV	10,000	N/A	N/A	(1)#14-#10 CU / #12-#10 AL	-
41	43	20	1	B-PROV	10,000	N/A	N/A	(1)#14-#10 CU / #12-#10 AL	-
2/4	9	30	2	BL	10,000	N/A	N/A	(1)#14-#6 CU / #12-#6 AL	-
6/8	11	30	2	BL	10,000	N/A	N/A	(1)#14-#6 CU / #12-#6 AL	-
10	13	20	1	BL	10,000	N/A	N/A	(1)#14-#10 CU / #12-#10 AL	-
12	14	20	1	BL	10,000	N/A	N/A	(1)#14-#10 CU / #12-#10 AL	-
14	16	20	1	BL	10,000	N/A	N/A	(1)#14-#10 CU / #12-#10 AL	-
16	18	20	1	BL	10,000	N/A	N/A	(1)#14-#10 CU / #12-#10 AL	-
18	20	20	1	BL	10,000	N/A	N/A	(1)#14-#10 CU / #12-#10 AL	-
20	22	20	1	BL	10,000	N/A	N/A	(1)#14-#10 CU / #12-#10 AL	-
22	24	20	1	BL	10,000	N/A	N/A	(1)#14-#10 CU / #12-#10 AL	-
24	26	20	1	BL	10,000	N/A	N/A	(1)#14-#10 CU / #12-#10 AL	-
26	28	20	1	B-PROV	10,000	N/A	N/A	(1)#14-#10 CU / #12-#10 AL	-
28	30	20	1	B-PROV	10,000	N/A	N/A	(1)#14-#10 CU / #12-#10 AL	-
30	32	20	1	B-PROV	10,000	N/A	N/A	(1)#14-#10 CU / #12-#10 AL	-
32	34	20	1	B-PROV	10,000	N/A	N/A	(1)#14-#10 CU / #12-#10 AL	-
34	36	20	1	B-PROV	10,000	N/A	N/A	(1)#14-#10 CU / #12-#10 AL	-
36	38	20	1	B-PROV	10,000	N/A	N/A	(1)#14-#10 CU / #12-#10 AL	-
38	40	20	1	B-PROV	10,000	N/A	N/A	(1)#14-#10 CU / #12-#10 AL	-
40	42	20	1	B-PROV	10,000	N/A	N/A	(1)#14-#10 CU / #12-#10 AL	-
42	44	20	1	B-PROV	10,000	N/A	N/A	(1)#14-#10 CU / #12-#10 AL	-

JOB
PJP Auditorium

P.O. -	CUST. CONSOLIDATED ELECTRICALDISTRIBUTORS INC		
CONTR -	CONSLT -		
TIE -	BY broomx00c	ENG. LOC. -	DESIGNATION PP1
S.O. -	DATE 5-21-2026		
Siemens Industry, Inc. Norcross, Georgia	DWG. NO. broomx00c_05212600_00_00_M00-21000-3		
	APP.	MFG. LOC. -	SHEET 3 OF 5
	APP.	DWG. FILE	REV. 1

NAMEPLATE SCHEDULE

DESCRIPTION	NAMEPLATE NUMBER	UNIQUE ID NO.	ENGRAVING 1	ENGRAVING 2	ENGRAVING 3	LEAVE BLANK
MASTER	N1			PP1		No

NAMEPLATE

MASTER	SIZE	1x3
	COLOR	Black/White Core
DEVICE	SIZE	1x3
	COLOR	Black/White Core

JOB: PJP Auditorium

P.O.: -

CUST.: CONSOLIDATED ELECTRICALDISTRIBUTORS INC

CONTR: -

CONSLT: -

TIE: -

BY: broomx00c

ENG. LOC.: -

DESIGNATION: PP1

S.O.: -

DATE: 5-21-2026

DWG. NO.: broomx00c_05212600_00_00_M00-21000-4

Siemens Industry, Inc.

Norcross, Georgia

APP.:

MFG. LOC.: -

APP.:

DWG. FILE:

REV.: 1

APPLICATION ENGINEERING REPORT

UNIQUE ID NUMBER	DESCRIPTION	APPLICATION DESCRIPTION

JOB: PJP Auditorium			
P.O.: -	CUST.: CONSOLIDATED ELECTRICALDISTRIBUTORS INC		
CONTR: -	CONSLT: -		
TIE: -	BY: broomx00c	ENG. LOC.: -	DESIGNATION: PP1
S.O.: -	DATE: 5-21-2026		
Siemens Industry, Inc. Norcross, Georgia	DWG. NO.: broomx00c_05212600_00_00_M00-21000-5		
	APP.:	MFG. LOC.: -	SHEET 5 OF 5
	APP.:	DWG. FILE:	REV.: 1

SIEMENS

Panelboard Nameplate

Line No	Designation	Description	Leave Blank	Engraving 1	Engraving 2	Engraving 3	size	color
20000	MDP	MASTER	False		MDP		1 X 3	BLACK/WHITE CORE
21000	PP1	MASTER	False		PP1		1 X 3	BLACK/WHITE CORE

SIEMENS

Panelboard Summary Report

Date: 5/21/2026

Project Name:	PJP Auditorium	Quote Name:	PJP Auditorium
Quote #:	broomx00c_05212600_00_00_M00		
Customer:	CONSOLIDATED ELECTRICAL	Contractor:	
SO #:		PO #:	

Line #	Qty	Designation	Type	Voltage	AIC	Style	Main Rating	Main Lug	Bus Material	Feed	Mounting	Box Size	Box Cat#	Front
20000	1	MDP - 1	P1	480Y/277 3Ø 4W Wye AC	35 K	MB	400/400	(2)2/0-250KCMIL CU/AL	Copper	Top	Flush	74 X 20 X 5.75	B74	F74B
21000	1	PP1 - 1	P1	208Y/120 3Ø 4W Wye AC	10 K	MB	250/125	(1)#14-3/0 CU/AL	Copper	Top	Flush	44 X 20 X 5.75	B44	F44B

SIEMENS SUBMITTAL

Safety Switches

Specification 26 28 16 10

Contents

400A

SIEMENS

5/21/2026

SIEMENS SUBMITTAL

Others

Specification Others

Contents

400A

SIEMENS

5/21/2026

SAFETY SWITCHES

Non-Fusible Safety Switch Short Circuit Current Ratings when protected by a Molded Case Circuit Breaker (MCCB)

usa.siemens.com/switches

	Heavy Duty Switch Rating (Amps)	Fuse Class or Circuit Breaker Type	3-Phase			
			240 Vac	480 Vac	600 Vac	250 Vdc / 600 Vdc
Protected by Fuse	All	H, K	10 kA	10 kA	10 kA	Up to 10 kA
		R, T, J, L	200 kA	200 kA	200 kA	–
Protected by Circuit Breaker	All	Any Brand CB	10 kA	10 kA	10 kA	Up to 10 kA
Protected by 3VA Circuit Breaker ⓒ	30	SEAS / SEAB	18 kA	18 kA	18 kA	Up to 10 kA
	30	MEAS / MEAB	18 kA	18 kA	18 kA	
	60-100	SEAS / SEAB	65 kA	25 kA	14 kA	
	60-100	MEAS / MEAB	85 kA	35 kA	18 kA	
	60-100	HEAS / HEAB	150 kA	65 kA	25 kA	
	60-100	MDAE	100 kA	35 kA	18 kA	
	60-100	HDAE	100 kA	65 kA	22 kA	
	60-100	CDAE	200 kA	100 kA	35 kA	
	60-100	LDAE	200 kA	150 kA	50 kA	
	60-100	EDAE	–	200 kA	100 kA	
	200	MFAS	85 kA	35 kA	18 kA	
	200	HFAS	100 kA	65 kA	25 kA	
	200	CFAS	200 kA	100 kA	35 kA	
	200	MFAE	100 kA	35 kA	18 kA	
	200	HFAE	100 kA	65 kA	22 kA	
	200	CFAE	200 kA	100 kA	35 kA	
	200	LFAE	200 kA	150 kA	50 kA	
	200	EFAE	–	200 kA	100 kA	
	400	MJAS	85 kA	35 kA	18 kA	
	400	HJAS	100 kA	65 kA	25 kA	
	400	CJAS	200 kA	100 kA	35 kA	
	400	MJAE	100 kA	35 kA	18 kA	

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	Heavy Duty Switch Rating (Amps)	Fuse Class or Circuit Breaker Type	3-Phase			250 Vdc / 600 Vdc
			240 Vac	480 Vac	600 Vac	
Protected by 3VA Circuit Breaker [1] (continued)	400	HJAE	100 kA	65 kA	22 kA	Up to 10 kA
	400	CJAE	200 kA	100 kA	35 kA	
	400	LJAE	200 kA	150 kA	50 kA	
	400	EJAE	–	200 kA	100 kA	
	600	MLAS	85 kA	35 kA	18 kA	
	600	HLAS	100 kA	65 kA	25 kA	
	600	CLAS	200 kA	100 kA	35 kA	
	600	MLAE	100 kA	35 kA	18 kA	
	600	HLAE	100 kA	65 kA	22 kA	
	600	CLAE	200 kA	100 kA	35 kA	
	600	LLAE	200 kA	150 kA	50 kA	
	600	ELAE	–	200 kA	100 kA	

	Heavy Duty Switch Rating (Amps)	Fuse Class or Circuit Breaker Type	3-Phase			250 Vdc / 600 Vdc
			240 Vac	480 Vac	600 Vac	
Protected by Sentron Circuit Breaker [2]	30	EDAE	200 kA	200 kA	100 kA	Up to 10 kA
	60-100	EDAE	200 kA	200 kA	100 kA	
	60-100	NEB, NGB, NEG, NGG, ED4	18 kA	18 kA	–	
	60-100	ED6	18 kA	18 kA	18 kA	
	200	F(X)D6-A, J(X)D6-A	18 kA	18 kA	18 kA	
	400	(H)J(X)D6-A, (H)L(X)D6-A	25 kA	25 kA	25 kA	
	600	(H)L(X)D6-A	25 kA	25 kA	25 kA	
	1200	NNG	25 kA	25 kA	25 kA	

	General Duty Switch Rating (Amps)	Fuse Class or Circuit Breaker Type	3-Phase			250 Vdc
			240 Vac	480 Vac	600 Vac	
Protected by Fuse	All	H, K, R, T, J	10 kA	–	–	Up to 10 kA
Protected by Circuit Breaker	All	Any Brand CB	10 kA	–	–	Up to 10 kA
Protected by 3VA Circuit Breaker [1]	60-100	SEAS / SEAB	65 kA	–	–	Up to 10 kA
	60-100	MEAS / MEAB	85 kA	–	–	
	60-100	MDAE	100 kA	–	–	
	60-100	HDAE	100 kA	–	–	
	200	MFAS	85 kA	–	–	
	200	HFAS	100 kA	–	–	
	200	MFAE	100 kA	–	–	
	200	HFAE	100 kA	–	–	

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	General Duty Switch Rating (Amps)	Fuse Class or Circuit Breaker Type	3-Phase			250 Vdc
			240 Vac	480 Vac	600 Vac	
Protected by 3VA Circuit Breaker ① (continued)	400	MJAS	85 kA	–	–	Up to 10 kA
	400	HJAS	100 kA	–	–	
	400	MJAE	100 kA	–	–	
	400	HJAE	100 kA	–	–	
	600	MLAS	85 kA	–	–	
	600	HLAS	100 kA	–	–	
	600	MLAE	100 kA	–	–	
	600	HLAE	100 kA	–	–	

① Includes Nonfused Double throw and OEM switches 30-200 amps
② Includes Nonfused Double throw and OEM switches

Legal Manufacturer

Siemens Industry, Inc.
3617 Parkway Ln
Peachtree Corners, GA 30092
United States of America

Telephone: +1 (800) 333-7421
www.usa.siemens.com

Order No. CPDS-NFSSM-0525

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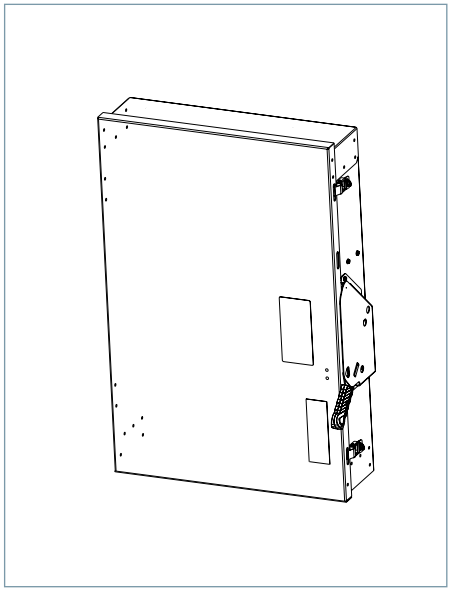
Data Sheet

Heavy Duty Safety Switch

400A 600V, Type 3R

usa.siemens.com/switches



Standards and Ratings

- UL listed under file #E4776
- CSA listed under file #154852
- Meets NEMA Standard KS-1 for enclosed switches
- Meets NEC wire bending space requirements
- Rated 10,000 AIC as standard or 200,000 when protected by Class R, T or J fuses rated 400 amp maximum
- I2t rated (Amps2 x Seconds = 6,000,000)
- 12X overload current rating exceeds 10X industry standard
- Suitable for use as service entrance equipment
- Includes internal shields which meet 2020 NEC 230.62 touch safe requirements for service entrance equipment

Features

- Quick-make and break switching action
- Visible blade design
- Highly visible ON/OFF indication
- Modular design allows quick and easy replacement of parts
- Defeatable dual cover interlock
- Compact one piece light weight construction enables easier installation
- Can utilize either one large or two small wires
- Spring loaded heat sink fuse clip
- One piece line and load base for consistent phase-to-phase allignment
- Extra ground lug on neutral
- Tangential knock out
- Lay in Lugs for easy wiring
- Window permits viewing of visible blade

Product Specifications

Heavy Duty 400A 600V, Type 3R (Fusible)

General Information

Catalog Number	Description	Shipping Weight
HF365RA	Heavy Duty Fused 3 Pole 600V 400A Type 3R, Outdoor	93
HF365NRA	Heavy Duty Fused 3 Pole 600V 400A Neutral Type 3R, Outdoor	94.6
HNF365RA	Heavy Duty Non-Fused 3 Pole 600V 400A Type 3R, Outdoor	75
HFC365NRA	CSA Heavy Duty Fused 3 Pole 600V 400A Neutral Type 3R, Outdoor	94.6

Maximum Horsepower Ratings

Catalog Number	1 Phase, 240V AC	3 Phase, 240V AC	1 Phase, 480V AC	3 Phase, 480V AC	1 Phase, 600V AC	3 Phase, 600V AC	250V DC	600V DC
HF365RA	—	125	—	250	—	350	50	50
HF365NRA	—	125	—	250	—	350	50	50
HNF365RA	—	125	—	250	—	350	50	50
HFC365NRA	—	125	—	250	—	350	50	50

Accessories & Hub Kits

Catalog Number	Description
HA161234	Aux. Switch (1NO - 1NC)
HA261234	Aux. Switch (2NO - 2NC)
HA361234	Low Voltage Aux. SW. (1NO - 1NC)
HN656A	Neutral
HN656A	200% Neutral
HG656A	Ground Lug
HG2656A	Isolated Ground
HR65A	R Fuse (400A)
HT65A	T Fuse (400A, 600V)
HCM65A	Field Replacement Kit (400A, fused)
HVGK	Hub Gasket Kit
ECHV250	2.50" Type "HV" Outdoor Hub
ECHV300	3.00" Type "HV" Outdoor Hub
ECHV350	3.50" Type "HV" Outdoor Hub
ECHV400	4.00" Type "HV" Outdoor Hub
HCU656A	Copper Lug Kit ①

Replacement Parts

Catalog Number	Description
HFB65A	Line Base Fused 400A
HBB65A	Load Base Fused 400A
HL656A	Lug Cap Kit (AL) 400-600A
HM656A	Mechanism 400A-600A
HH656A	Handle/Handle Guard 400A-600A
Catalog Number + "DOOR"	Door
HNB656A	Replacement Non-Fusible Line Base 400-600A

Mechanical Lug Wire Ranges

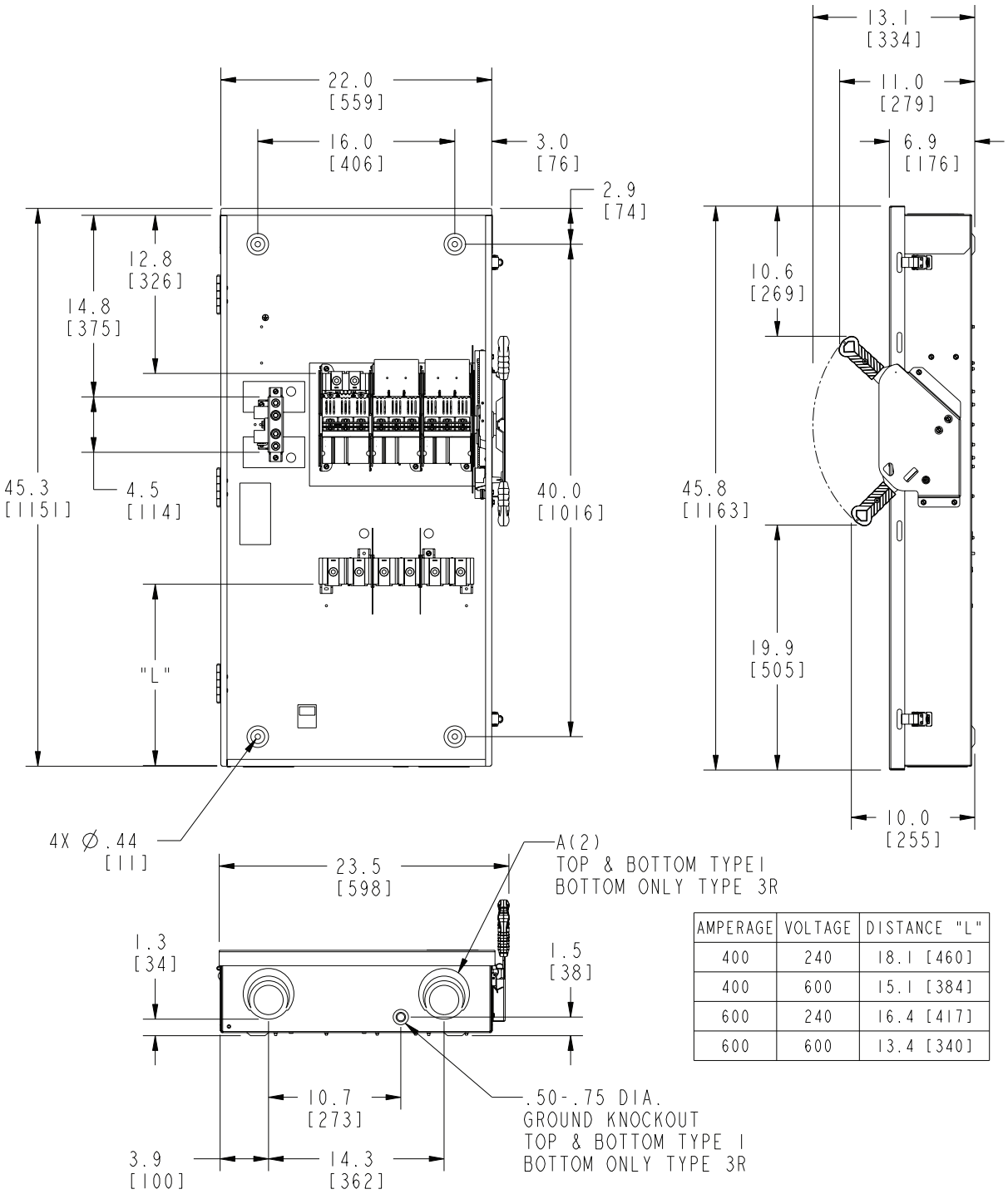
Description	Wire Range with Wire Bending Space per NEC® requirements ②	Lug Wire Range ②
Line and Load Terminals (Fusible)	(1) 1/0 AWG - 600 kcmil or (2) 1/0 AWG - 500 kcmil	(2) 1/0 AWG - 750 kcmil
Description	**Wire Range**	
100% Neutral	(1) 1/0 - 600 kcmil or (1) 6 - 300 kcmil	
200% Neutral	(2) 1/0 - 600 kcmil or (2) 6 - 300 kcmil	
Equipment Ground	(2) 14 - 2/0 AWG	

① Purchase field replacement kit along with lugs. (See SpeedFax section 4)

② Line and load lugs are UL approved to grip two wires per lug. There are two lugs on each line and load end per pole on this device.

Dimension Drawings

Heavy Duty 400A 600V, Type 3R (Fusible)



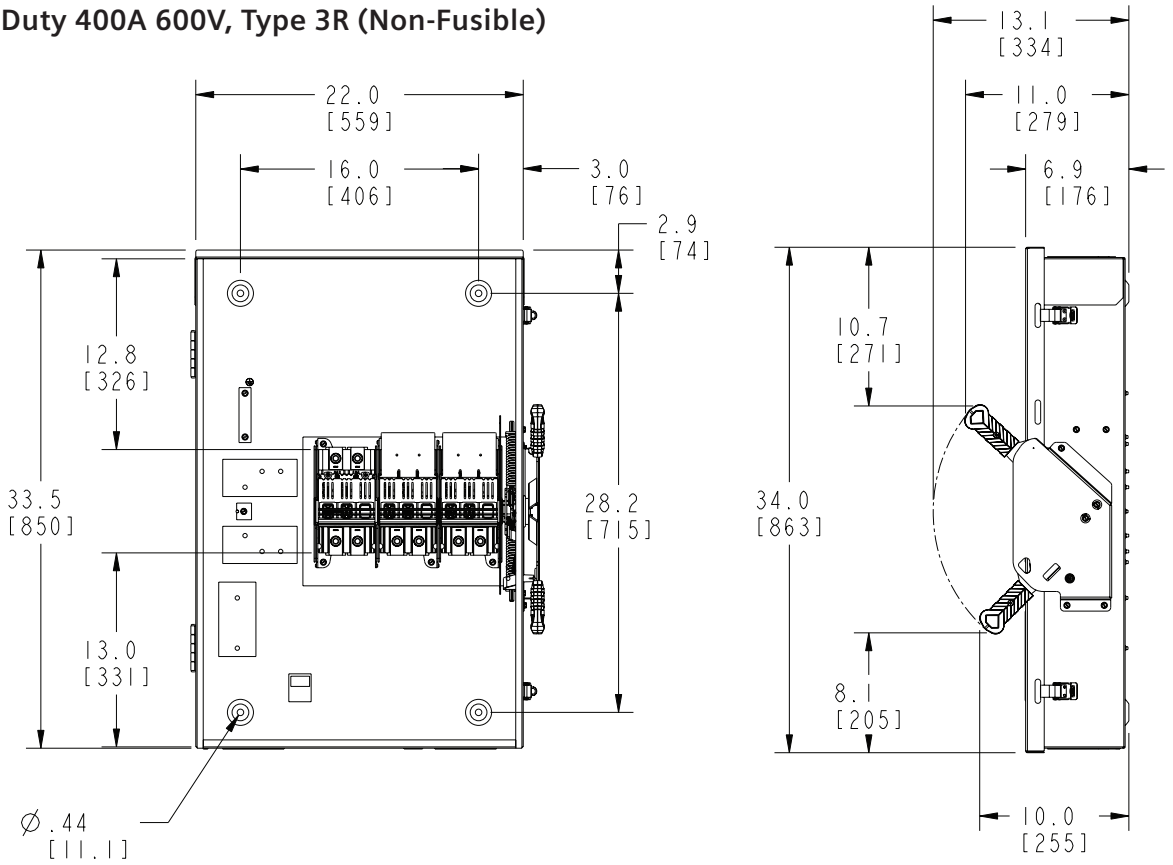
AMPERAGE	VOLTAGE	DISTANCE "L"
400	240	18.1 [460]
400	600	15.1 [384]
600	240	16.4 [417]
600	600	13.4 [340]

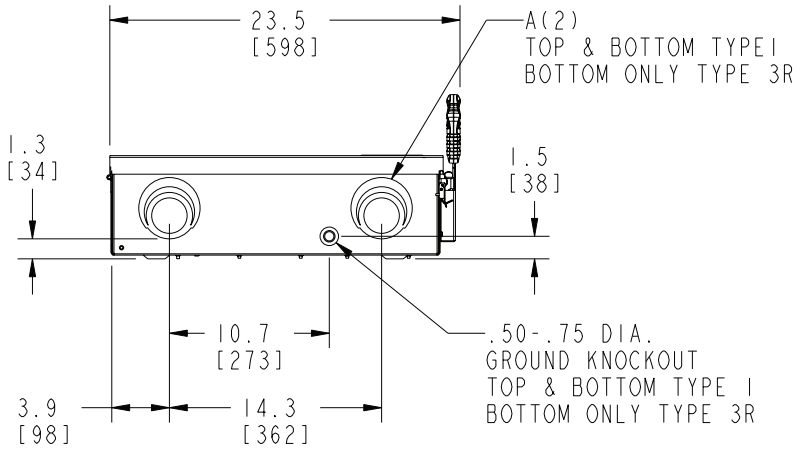
Dimensions shown in inches
and millimeters [ ].
Dimensions shown accurate to ± 1/8 inch.

KNOCKOUT CODE	CONDUIT SIZE
A (Tangential)	2.00 2.50 3.00 3.50

Enclosure:
Cold Rolled Steel Type 1
Galvanized Steel Type 3R
.060 thick (16 gauge)
Finish: ANSI Grey #61 Paint

Heavy Duty 400A 600V, Type 3R (Non-Fusible)





Dimensions shown in inches
and millimeters [ ].
Dimensions shown accurate to ± 1/8 inch.

KNOCKOUT CODE	CONDUIT SIZE
A (Tangential)	2.00 2.50 3.00 3.50

Enclosure:
Cold Rolled Steel Type 1
Galvanized Steel Type 3R
.060 thick (16 gauge)
Finish: ANSI Grey #61 Paint

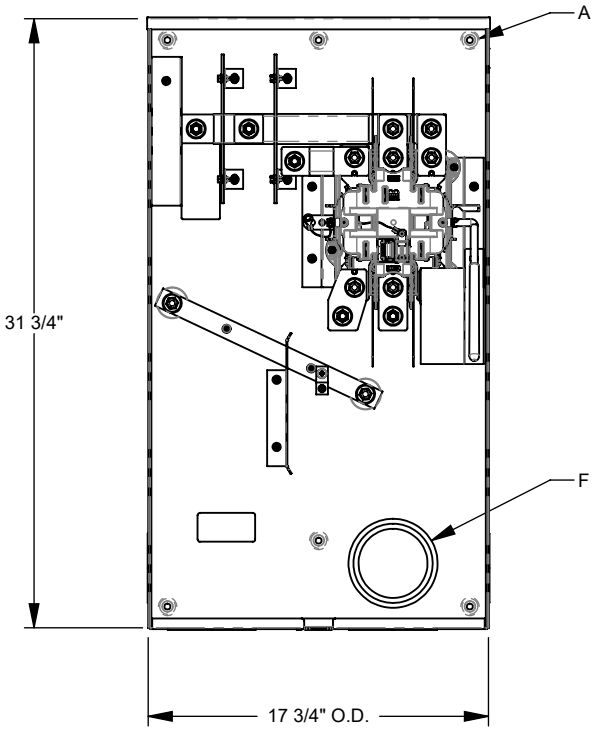
Published by
Siemens 2021

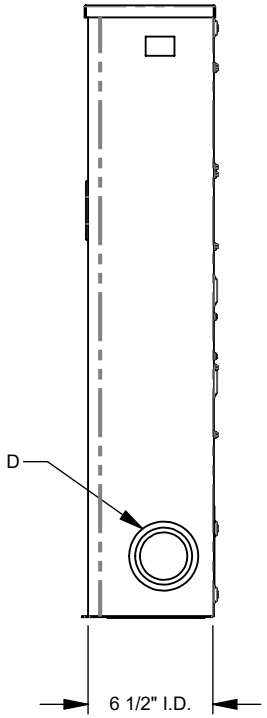
Siemens Industry, Inc.
3617 Parkway Ln.
Peachtree Corners, GA 30092

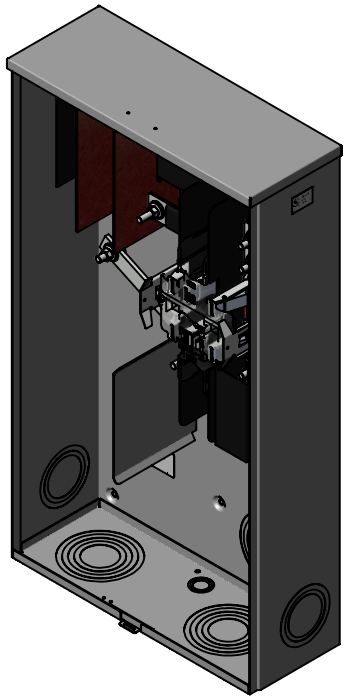
Siemens Technical Support: 1-800-333-7421
info.us@siemens.com
Order No. SSFL-H463R-0221
Printed in USA-CP

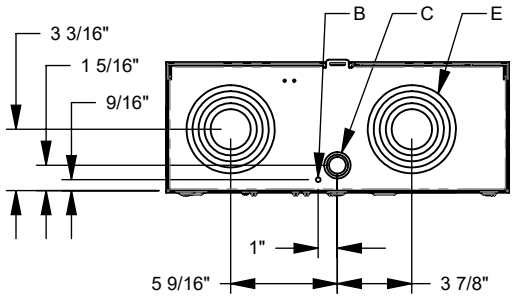
usa.siemens.com/switches

FEATURE TABLE		
ITEM	QTY	DESCRIPTION
A	6	U/L MNTG.EMBOSS
B	1	¼ SOLID K.O.
C	1	½, ¾, 1 CONC. K.O.
D	2	2, 2½, 3 CONC. K.O.
E	2	2, 2½, 3, 3½, 4 CONC. K.O.
F	1	3, 3½, 4 CONC. K.O.









MILBANK®
ENERGY AT WORK

All dimensions are +/- 1/16".
Drawing views are not to scale.

Version:

1

Please consult serving utility for their requirements prior to ordering or installing, as specifications and approvals vary by utility, and may require local electrical inspector approval. All installations must be installed by a licensed electrician and must comply with all national and local codes, laws and regulations. Milbank reserves the right to make changes in specifications and features shown without notice or obligation.

D200 Series
200kA Surge Protective Device

DITEK's D200 Industrial Surge Protectors are designed to provide protection to AC power systems in the most demanding environments. The D200 Series incorporates individually fused components for maximum performance and protection. Available in a wide range of voltage configurations, the compact D200 is an excellent choice for electrical panel protection.

Product Features

- 200,000 Amps per Phase surge current rating ensures long service life
- Compact size enables close mounting to the protected panel to minimize wire length and maximize performance
- Diagnostic LEDs provide positive indication of system power and SPD function
- Audible alarm and Form C dry contacts for remote monitoring
- Available in 7 voltage configurations

Applications

- Service Entrance
- Branch Panel

Accessories

- Flush Mount Kit, p/n D200-FMK

Technical Specifications	
Voltage Configurations:	See Chart on Page 2
Surge Current Rating:	200,000A / Phase 100,000A / Mode
SCCR:	100,000A
Operating Frequency:	50/60Hz

Mechanical Specifications	
Connection Method:	¾" NPT Male Non-metallic Fitting 30-inch 10 AWG Leads
Housing:	NEMA 4X Polycarbonate
Operating Temperature:	-31°F – 140°F (-35°C – 60°C)
Maximum Humidity:	95% non-condensing
Dimensions:	6.29" L X 6.29" W x 2.36" H (160 mm x 160 mm x 60 mm)
Weight:	2 lb (0.9 kg)

Quality Standards & Approvals	
Certifications:	UL1449 5th Edition CSA C22.2 No. 269.1-17
SPD Type:	Type 1
Warranty:	10 Year Limited Warranty

Part Number	Service Voltage	Service Configuration	MCOV	UL In Rating	Voltage Protection Rating (VPR)			
					L-G	L-L	L-N	N-G
D200-120/2401	120/240VAC	Split Φ (3W + G)	150V/300V	20kA	600V	1,000V	600V	900V
D200-120/2083Y	120/208VAC 127/220VAC	Three Φ Wye (4W + G)	150V/300V	20kA	600V	1000V	600V	900V
D200-120/240HL	120/240VAC	Three Φ High Leg Delta (4W + G)	150V/300V 320V/470V	20kA	600V HL-G 1200V	1,000V HL-L 1500V	600V HL-N 1000V	900V
D200-277/4803Y	277/480VAC 220/380VAC 230/400VAC 240/415VAC	Three Φ Wye (4W + G)	320V/640V	20kA	1200V	1800V	1000V	1800V
D200-347/6003Y	347/600VAC	Three Φ Wye (4W + G)	420V/840V	20kA	1500V	2500V	1500V	2500V
D200-2403D	240VAC	Three Φ Delta (3W + G)	320V/640V	20kA	1200V	1800V	N/A	N/A
D200-4803D	480VAC	Three Φ Delta (3W + G)	550V/1100V	20kA	1800V	3000V	N/A	N/A