

Circuit Breaker Enclosures

NEMA Type 1

100-1200 Amperes
240-600 Volts ac
125-250 Volts dc

- UL Listed — Suitable for use as service equipment
- CSA Certified
- 60°C/75°C conductor ratings
- Short circuit ratings are equal to the rating of the installed breaker.
- Spectra™ RMS breakers have ac ratings only.

Section 7



Type 1, Indoor Surface or Flush Mounting

NEMA Type 1

Frame Type	No. of Poles	Max. Ampere Rating	Product Number ¹	Neutral Product Number	Neutral for Ground Fault ²	Neutral Sensor For Ground Fault ²
THQL, TXQL, THQL-GF	1, 2, 3	70	TQL70F ³	Included	-	-
			TQL70S ³	Included	-	-
			TQL100F ³	Included	-	-
THQC, THHQ, TXQC	1, 2, 3	100	TQL100S ³	Included	-	-
			TQC100F ³	Included	-	-
			TQC100S ³	Included	-	-
SE150, THED, TED, TEB	2, 3	100	TE100F	Included	-	-
			TE100S	Included	-	-
			TE100SB ¹⁰	Included	-	-
SE150, THED, TED	2, 3	150	TE150F	Included	-	-
			TE150S	Included	-	-
			TE150SB ¹⁰	Included	-	-
THQL	2	125	TQL125F ⁴	Included	-	-
			TQL125S ⁴	Included	-	-
TQD, THQD	2, 3	225	TQD225F	Included	-	-
			TQD225S	Included	-	-
THFK, TFK, TFJ	2, 3	225	TF225F ⁵	TNIA225	-	-
			TF225S ⁵	TNIA225	-	-
SF250	2, 3	250	SF250F	TNIA225	-	-
			SF250S	TNIA225	-	-
			SF250SB ¹⁰	TNIA225	-	-
TJD, TJJ, TJK, THJK	2, 3	400	TJ400F ⁶	TNIA400	-	-
			TJ400S ⁶	TNIA400	-	-
TJK, THJK	2, 3	600	TJ600F	TNIA600	-	-
			TJ600S	TNIA600	-	-
SG400 ⁹	2, 3	400	SG400F	TNIA400	TNIA400VG	TSRG201
			SG400S			TSRG204
			SG400SB ¹⁰			
SG600 ⁹	2, 3	600	SG600F	TNIA600	TNIA600VG	TSRG206
			SG600S			
			SG600SB ¹⁰			
SK1200, TKMA, THKMA ⁹	2, 3	1200	TK4V1200F ^{7,8}	TNIA400	TNIA800G TNIA1200G	TSKG408
			TK4V1200S ^{7,8}	TNIA600		TSKG410
			TK4V1200SB ^{7,8,10}	TNIA800		TSKG412
				TNIA1200		
			TNIAC1200			

¹For Product Numbers ending in "F", mounting style is Flush. For Product Numbers ending in "S", mounting style is Surface. Product Numbers ending in "SB" contain blank end walls (No Knockouts).

²Neutral for Ground Fault required to mount neutral sensor in enclosure.

³3-pole breakers with an accessory can not be installed in these enclosures.

⁴Not CSA certified.

⁵For 250 amp rating, use copper cable only.

⁶Suitable for parallel 250 kcmil maximum. If larger cable is required, use 600 amp enclosure.

⁷Suitable for 100% rated 800 amp and 100% rated 1000 amp SK breakers; NOT suitable for 100% rated 1200 amp SK breakers.

⁸Suitable for parallel 500 kcmil maximum.

⁹Includes Spectra™ RMS and Spectra™ RMS with *microEntelliGuard™* Trip Units.

¹⁰Enclosures with blank end walls feature closed enclosure instantaneous adjustment.

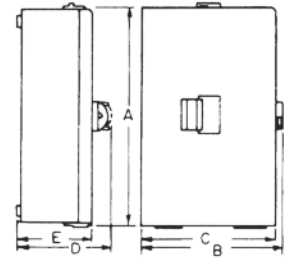


Circuit Breaker Enclosures Dimensions and Outline Drawings

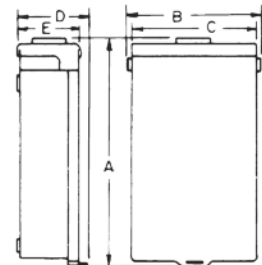
Section 7

NEMA Type 1 Enclosures

Product Number	Dimension ¹ A (in.)	Dimension ¹ B (in.)	Dimension ¹ C (in.)	Dimension D (in.)	Dimension E (in.)	Outline Drawing No.
TE100F, S	17	-	7 7/8	5 1/2	4 3/4	208C2891 Sh 3
TE100SB ⁵	17	-	7 7/8	5 1/2	4 3/4	208C2891 Sh 3
TE150F, S	26 7/16	8 7/8	8 7/8	6 3/16	5 1/2	139C5497 Sh 1
TE150SB ⁵	26 7/16	8 7/8	8 7/8	6 3/16	5 1/2	139C5497 Sh 1
TF225F, S	29 7/8	8 7/8	8 7/8	6 3/16	5 1/2	139C5497 Sh 2
SF250F, S	29 7/8	8 7/8	8 7/8	6 3/16	5 1/2	139C5497 Sh 2
SF250SB ⁵	29 7/8	8 7/8	8 7/8	6 3/16	5 1/2	139C5497 Sh 2
SG400F	31 3/8	-	15 5/32	7 5/16	6 5/8	208C2891 Sh 1
SG400S	30 5/16	-	14 1/8	7 5/16	6 5/8	208C2891 Sh 1
SG400SB ⁵	30 5/16	-	14 1/8	7 5/16	6 5/8	208C2891 Sh 1
TJ400F, S ²	27 7/16	15 7/16	15 7/16	7 1/8	6 7/16	139C5497 Sh 3
SG600F	44	-	18 3/16	9	8 3/8	208C2891 Sh 2
SG600S	42 3/4	-	17 1/8	9	8 3/8	208C2891 Sh 2
SG600SB ⁵	42 3/4	-	17 1/8	9	8 3/8	208C2891 Sh 2
TJ600F, S	46 5/8	17 3/16	17 3/16	9 1/16	8 3/8	139C5497 Sh 4
TK4V1200F, S	48 1/8	21 15/16	21 15/16	9 9/16	8 11/16	139C5497 Sh 5
TK4V1200SB ⁵	48 1/8	21 15/16	21 15/16	9 9/16	8 11/16	139C5497 Sh 5
TQC100F, S	15 1/4	-	6 7/8	4 3/4	4	139C5651 Sh 1
TQD225F, S	26 7/16	8 7/8	8 7/8	6 3/16	5 1/2	139C5497 Sh 1
TQL70F, S	12 7/8	-	5 3/4	4 3/4	4 1/16	208C2817 Sh 1
TQL100F, S	15 1/4	-	6 7/8	4 3/4	4	139C5651 Sh 2
TQL125F, S	16 7/8	-	6 3/4	5 3/16	4 1/2	139C5651 Sh 2



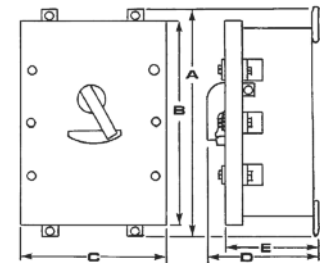
NEMA Type 1
Suffix F (Flush) Suffix S (Surface)



NEMA Type 3R Outdoor Enclosure

NEMA Type 3R Enclosures

Product Number	Dimension A (in.)	Dimension B (in.)	Dimension C (in.)	Dimension D (in.)	Dimension E (in.)	Outline Drawing No.
TE100R	18 1/8	7 7/8	7 1/2	5 11/16	5 3/8	139C5652 Sh 1
TE150R	27 7/16	10 1/4	10	6 1/4	5 1/2	139C5498 Sh 1
TF225R	30 13/16	10 1/4	10	7	6 1/4	139C5498 Sh 2
SG400R	30 13/16	14 15/16	14 5/8	9 1/8	8	208C2837 Sh 1
SG600R	43	18 7/8	18 1/6	8 13/16	7 11/16	208C2838 Sh 1
TJ400R ²	27 5/16	15 7/8	15 11/16	8 11/16	8	139C5498 Sh 4
TJ600R	46 3/16	18 1/16	18 1/16	8 5/8	7 5/8	139C5519 Sh 1
TK4V1200R	47 3/4	23 3/8	22 9/16	9 7/16	8 5/16	139C5520 Sh 1
TQC100R	15 3/4	7 7/8	7 1/2	5 11/16	5 3/8	139C5652 Sh 1
TQD150NRE	26 13/16	7 13/16	7 5/8	5 1/8	4 7/16	139C5498 Sh 3
TQD200NRE	26 13/16	7 13/16	7 5/8	5 1/8	4 7/16	139C5498 Sh 3
TQD225NR	26 13/16	7 13/16	7 5/8	5 1/8	4 7/16	139C5498 Sh 3
TQD225R	26 3/8	10 1/4	10	6 1/4	5 1/2	139C5498 Sh 1
TQL70R	17	-	6 7/8	5 15/16	5	208C3061 Sh 1
TQL100R, RE	17	7 1/4	6 7/8	6	5	139C5652 Sh 1
TQL125R	18 5/16	7 11/16	7 1/2	6 5/16	5 3/16	139C5652 Sh 1
THQMV150NRE	18 13/16	9 1/2	9 5/16	5 1/2	4 7/8	208C3061 Sh 2
THQMV200NRE	18 13/16	9 1/2	9 5/16	5 1/2	4 7/8	208C3061 Sh 2



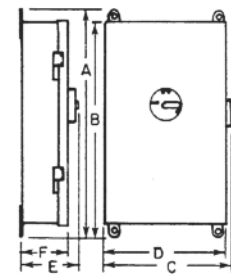
NEMA Type 4/4X Stainless Steel

NEMA Type 4/4X Enclosures

Product Number	Dimension A (in.)	Dimension B (in.)	Dimension C (in.)	Dimension D (in.)	Dimension E (in.)	Outline Drawing No.
SE100CS ⁴	19 1/4	18 1/2	8 1/2	7	5	139C5654 Sh 1
TE100CS ⁴	19 1/4	17 1/4	8 1/2	7	5	139C5654 Sh 1
TF225CS ⁴	32 5/8	30 13/16	9 1/4	8 15/16	7 1/16	168D1626 Sh 2
SF250CS ⁴	36 5/8	34 13/16	9 1/4	7 27/32	5 29/32	168D1626 Sh 1
TJ400CS ²	29 1/4	27 1/2	16 1/4	9 1/16	7 1/8	139C5496 Sh 2
SG400CS ^{3,4}	32	31 1/4	14 1/8	9 5/16	7 7/16	208C2887 Sh 1
TJ600CS	46 1/4	45 1/2	19 1/8	9 1/16	7 1/8	139C5496 Sh 3

NEMA Type 12 and 12K Enclosures

Product Number	Dimension A (in.)	Dimension B (in.)	Dimension C (in.)	Dimension D (in.)	Dimension E (in.)	Dimension F (in.)	Outline Drawing No.
TB100J	23 1/8	21 5/8	9	8	5 3/4	4 3/8	139C5653 Sh 1
TB800J	56 5/16	54 13/16	22 11/16	22	10 7/16	8 11/16	139C5682 Sh 6
SE100J, D	19 1/4	17 7/8	9	5	5 3/4	4 7/8	139C5653 Sh 1
TE100J, D	19 1/4	17 7/8	9	5	5 3/4	4 7/8	139C5653 Sh 1
SF250D	36 1/4	35 3/8	9 13/16	9 3/16	7 9/16	6 1/2	208C2884 Sh 1
SF250J	36 1/4	35 3/8	9 13/16	9 3/16	7 9/16	6 1/2	208C2884 Sh 2
TF225J, D	31 3/4	30 1/4	9 1/2	9	7 9/16	6 7/16	139C5682 Sh 2
SG400D	31 3/8	30 1/2	16 5/16	15 11/16	7 7/8	6 9/16	208C2885 Sh 1
SG400J	31 3/8	30 1/2	16 5/16	15 11/16	7 7/8	6 9/16	208C2885 Sh 2
TJ400J ²	29 5/16	27 13/16	14 1/4	13 3/16	7 7/8	6 7/16	139C5682 Sh 4
SG600J	44 7/8	44	18	17 3/8	9 9/16	8 3/8	208C2886 Sh 1
TJ600J	48 7/16	46 15/16	17 3/4	17 3/16	9 3/4	8 3/8	139C5682 Sh 5
SK1200J	56 5/16	55 7/16	22 11/16	22	10 7/16	8 11/16	139C5682 Sh 6
TK1200J	56 5/16	54 13/16	22 11/16	22	10 7/16	8 11/16	139C5682 Sh 6



NEMA Type 12 and 12K
Suffix D (with KOs) Suffix J (without KOs)

¹Flush front extends approximately 5/8-inch beyond each side.

²Suitable for parallel 250 kcmil maximum. If larger cable is applied, use 600 amp enclosure.

³Not suitable for use with ground fault.

⁴Not CSA certified.

⁵NEMA Type 1 Enclosure Product Numbers ending in "SB" contain blank end walls (No Knockouts).

