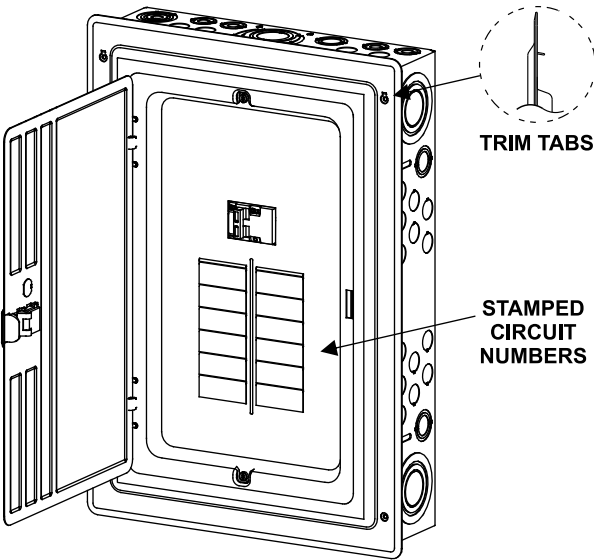


Catalog Numbers, Features and Ratings

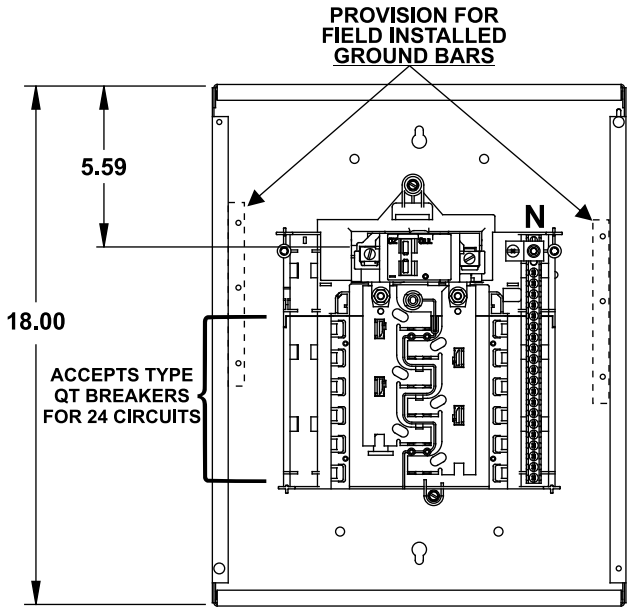
- 1 PHASE, 3 WIRE, 120/240V ~
- 22K AIC MAIN BREAKER FACTORY INSTALLED
(SEE WIRING DIAGRAM FOR DETAILS)
- CONVERTIBLE TO MAIN LUG
- INVERTIBLE
- TYPE N1 INDOOR ENCLOSURE
- ANSI 61 GRAY POWDER COATED ENCLOSURE
(SEE CHART FOR TRIM/DOOR COLOR)

Catalog Number	ENCLOSURE DIMS			Amps Max	Number Spaces	Number Circuits	Bus Bar Material	Bus Bar Plating	Percent Neutrals	Trim Color
L	W	D								
S1224B1100	18.00	14.25	3.88	100	12	24	Aluminum	Tin Plated	75%	Gray
S1624B1100	21.00	14.25	3.88	100	16	24	Aluminum	Tin Plated	75%	Gray
S1624B1100W	21.00	14.25	3.88	100	16	24	Aluminum	Tin Plated	75%	White
S1624B1125	21.00	14.25	3.88	125	16	24	Aluminum	Tin Plated	75%	Gray
S1630B1150	24.00	14.25	3.88	150	16	30	Aluminum	Tin Plated	100%	Gray

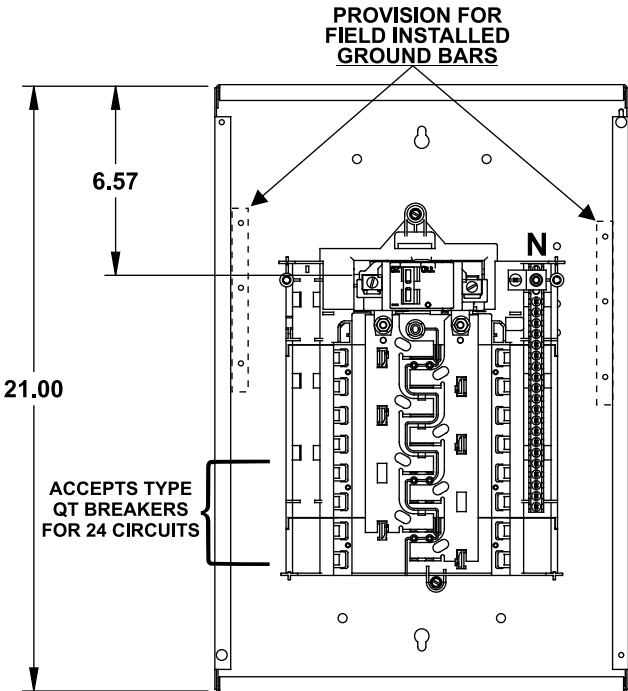
Trim/Door Detail



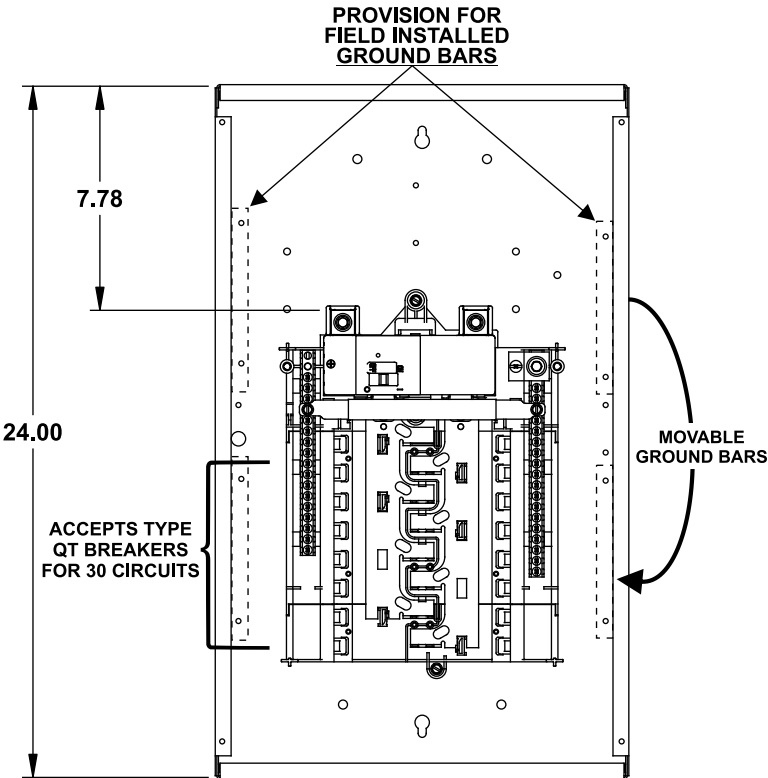
S1224B1100



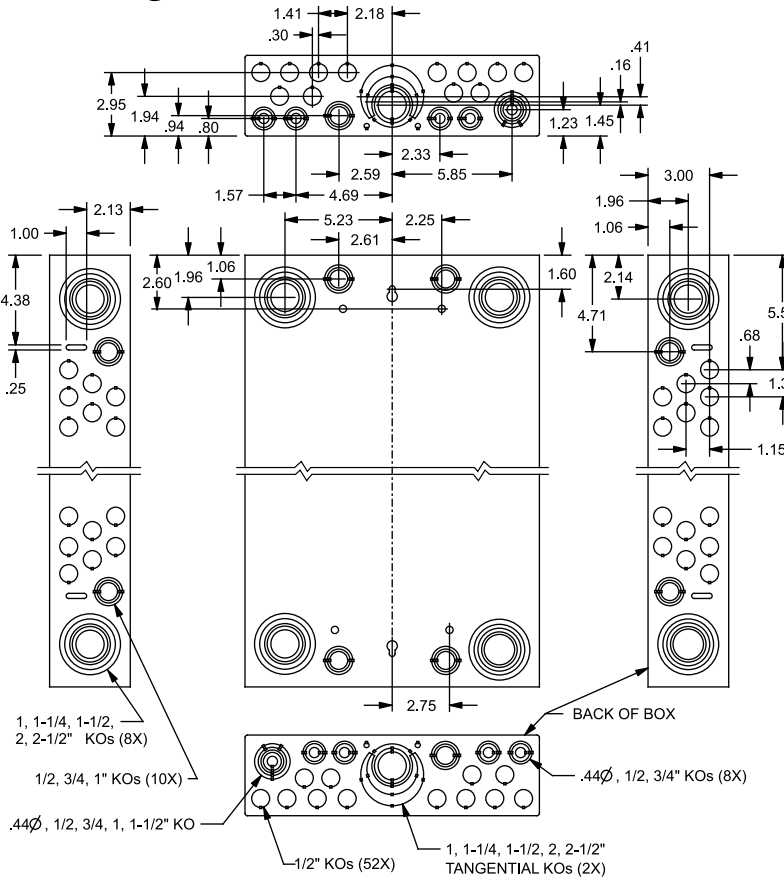
S1624B1100, S1624B1100W
S1624B1125



S1630B1150



KO Diagram



TERMINAL WIRE SIZES AND TORQUES

S1224B1100

USE COPPER OR ALUMINUM 60°/75°C WIRE
SEE BREAKER MARKINGS FOR WIRE SIZE AND TORQUE REQUIREMENTS

TERMINALS	WIRE	TORQUE
N	1/0-4 AWG CU; 2/0-4 AWG AL	110 LB-INS
MAIN BREAKER	1/0 AWG CU; 3/0 AWG AL MAX.	See Breaker
NEUTRAL/GROUND BARS (USE TYPE EC1GB or EC2GB GND BAR KIT ACCESSORY)	10-14 CU/10-12 AL 8 AWG 6-4 AWG	20 LB-INS 25 LB-INS 35 LB-INS
GROUND CONDUCTORS ONLY	(2)or(3) 14 AWG (2) 12-10 AWG	20 LB-INS 20 LB-INS
ECLK1-2 NEUTRAL LUG KIT ECLK2 NEUTRAL LUG KIT	2/0-2 AWG 2/0-4 AWG	45 LB-INS 135 LB-INS
MAIN LUG/MAIN BRKR TO BUS CONNECTION (1/4-20 NUT)		45 LB-INS
BONDING SCREW		45 LB-INS

S1624B1100, S1624B1100W
S1624B1125

USE COPPER OR ALUMINUM 60°/75°C WIRE
SEE BREAKER MARKINGS FOR WIRE SIZE AND TORQUE REQUIREMENTS

TERMINALS	WIRE	TORQUE
N	2/0-4 AWG	110 LB-INS
NEUTRAL/GROUND BARS (USE TYPE EC1GB or EC2GB GND BAR KIT ACCESSORY)	10-14 CU/10-12 AL 8 AWG 6-4 AWG	20 LB-INS 25 LB-INS 35 LB-INS
GROUND CONDUCTORS ONLY	(2)or(3) 14 AWG (2) 12-10 AWG	20 LB-INS 20 LB-INS
ECLK1-2 NEUTRAL LUG KIT ECLK2 NEUTRAL LUG KIT	2/0-2 AWG 2/0-4 AWG	45 LB-INS 135 LB-INS
MAIN LUG/MAIN BRKR TO BUS CONNECTION (1/4-20 NUT)		45 LB-INS
BONDING SCREW		45 LB-INS

S1630B1150

USE COPPER OR ALUMINUM 60°/75°C WIRE
SEE BREAKER MARKINGS FOR WIRE SIZE AND TORQUE REQUIREMENTS

TERMINALS	WIRE	TORQUE
N	250kcmil-4 AWG CU; 300kcmil-4 AWG AL	275 LB-INS
MAIN BREAKER	4/0 AWG CU; 300kcmil AL MAX.	See Breaker
NEUTRAL/GROUND BARS (USE TYPE EC2GB or EC3GB GND BAR KIT ACCESSORY)	10-14 CU/10-12 AL 8 AWG 6-4 AWG	20 LB-INS 25 LB-INS 35 LB-INS
GROUND CONDUCTORS ONLY	(2)or(3) 14 AWG (2) 12-10 AWG	20 LB-INS 20 LB-INS
ECLK1-2 NEUTRAL LUG KIT ECLK2 NEUTRAL LUG KIT ECLK3 NEUTRAL LUG KIT	2/0-2 AWG 2/0-4 AWG 300 kcmil - 1 AWG	45 LB-INS 135 LB-INS 340 LB-INS
MAIN LUG/MAIN BRKR TO BUS CONNECTION (1/4-20 NUT)		45 LB-INS
BONDING SCREW		45 LB-INS

ACCESSORIES

REFER TO WIRING DIAGRAM FOR
CORRECT ACCESSORY USAGE

MAIN LUG / MAIN BREAKER KITS	
USE APPROPRIATE KIT FROM CHART BELOW TO CONVERT PANEL	
DESCRIPTION	CAT. NO.
100 AMP MAIN BREAKER	MBK100A
150 AMP MAIN BREAKER	MBK150A
100-125 AMP MAIN LUG	ECMLK125
150-225 AMP MAIN LUG	ECMLK225

ACCESSORIES	
DESCRIPTION	CAT. NO.
DOOR LOCK	ECQFL2
FILLER PLATE, 1"	QF3
BREAKER HOLD-DOWN	ECMBR2
MAIN BREAKER FILLER PLATE	ECMBF125
BONDABLE GROUND LUG	ECLKB1
SUBFEED LUG KIT	ECLK2125
SURF. MOUNT SPACER KIT	ECSMK1
ARC FLASH LABEL	ECAFL
STANDBY PWR INTERLOCK KITS: ECSPK01, ECSPK02, ECSPK04, ECSPK04, ECSPBK05, ECSPBK06, ECSPBK07	

GROUND BAR KITS	
DESCRIPTION	CAT. NO.
TYPE EC1GB KIT, 8 SCREWS	EC1GB8
TYPE EC1GB KIT, 8 SCREWS, 2/0 LUG	EC1GB82
TYPE EC2GB KIT, 12 SCREWS	EC2GB12
TYPE EC2GB KIT, 12 SCREWS, 2/0 LUG	EC2GB122
TYPE EC2GB KIT, 15 SCREWS	EC2GB15
TYPE EC2GB KIT, 15 SCREWS, 2/0 LUG	EC2GB152
TYPE EC3GB KIT, 21 SCREWS	EC3GB21
TYPE EC3GB KIT, 21 SCREWS, 2/0 LUG	EC3GB212
TYPE EC3GB KIT, 27 SCREWS	EC3GB27
TYPE EC3GB KIT, 27 SCREWS, 2/0 LUG	EC3GB272
TYPE EC3GB KIT, 30 SCREWS	EC3GB30
TYPE EC3GB KIT, 30 SCREWS, 2/0 LUG	EC3GB302
TYPE EC3GB KIT, 35 SCREWS, 2/0 LUG	EC3GB352

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ES Series Load Centers™

Description: **1 Phase, Indoor,
12-16 Position, Main Breaker Cut Sheet**