



#### Applications:

- In hazard locations where flammable gases, vapors, and combustible dust is present.
- In areas where weather, dampness and corrosion is present.
- For branch protection to motors, starters, pumps, lighting, heat tracing etc.
- For indoor/outdoor use in refineries and chemical plants where hazards exist.

#### Standard Materials:

- Panel board enclosure - copper-free aluminum
- Terminal housing - 316 stainless steel
- External operating handles - copper-free aluminum
- Operating shafts, washers, breather/drain - stainless steel
- Panel board bus - copper
- Neutral and ground - tin plated aluminum

#### Certifications & Compliances:

NEC/CEC:  
Class I, Division 1 & 2, Groups B,C D  
Class II, Division 1, Groups E,F,G  
Class II, Division 2, Groups F,G  
Class III

#### Electrical Rating Range:

Breather/Drain  
Cast aluminum terminal housing (SN7SLP)  
Inverted Orientation  
Wire for max circuit (SN7SLP)

#### Options:

Breather/Drain  
Cast aluminum terminal housing (SN7SLP)  
Inverted Orientation  
Wire for max circuit (SN7SLP)

SN7LP & SN7SLP Panelboards:  
High quality factory-sealed & non-factory-sealed solution for lighting, power & heat tracing Circuits designed for use in hazardous locations.

#### SN7LP:

Non-factory-sealed panelboards are a cost effective solution with maximum circuit flexibility. Without the terminal housing and factory wiring, the SN7LP series reduces material cost but requires field wiring to the circuit breakers.

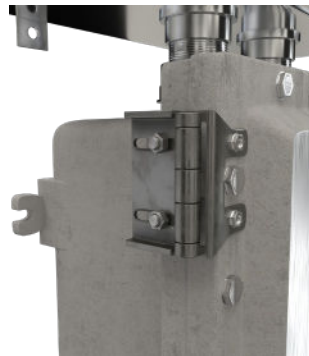
#### SN7SLP:

Factory-sealed panelboards provide a flexible, labor cost saving solution for the field. Panels can be pre-wired to max capacity in order to safely add additional Circuits in the field while holding the factory-sealed integrity.



#### Terminal Housing Integral Drainage Channel

- Integral drainage channel prevents liquids or other solid contaminants from running in our falling into the enclosure when the door is opened
- Minimizes gasket path Contamination



**316 SS Heavy Duty Hinges**

# SN7LP

Non-Factory Sealed Panelboards

EATON CROUSE-HINDS SERIES



## Example Part Number

SN7LP 12 150342T - 6130,6140 - S756V



**SN7LP 12 0225 34 2 0T - 130,6EPD140 - 0S756**

Circuits	
#	Description
6	6 Circuits
12	12 Circuits
18	18 Circuits
24	24 Circuits
30	30 Circuits
36	36 Circuits
42	42 Circuits
6BF	6 Circuits w/ back fed main breaker
12BF	12 Circuits w/ back fed main breaker
18BF	18 Circuits w/ back fed main breaker
24BF	24 Circuits w / back fed main breaker
39BF	36 Circuits w/ back fed main breaker

Wiring System		Bus Amps	
34	Phase 120/208V	1	100A
12	Phase 120/240V	2	225A
		3	400A
		4	600A

Power Entry	
T	Top Feed
B	Bottom Feed

Branch Breakers 120/240-120/208V		
Type	Poles	Amps
BAB	1	10 - 70, 100A
BAB	2	10 - 125A
BAB	3	10 - 100A
GFI	1	15 - 40A
GFI	2	15 - 50A
EPD	1	15 - 40A
EPD	2	15 - 5 0A

Disconnect AMPS	
AMPS	Description
30-225A	Vertical main
400A	Vertical Main (limit 18 circuits)
600A	Vertical Main (main breaker in separate mounted enclosure 30 circuit max)
10-100A	Back fed main
MLO	Main lug only

Enclosure Modification And Accessories	
S756	Drain Class I,B,C & D, Class II,E,F & G, Class III
S756V	Breather/Drain Class I,B,C & D, Class II,E,F & G, Class III
R22	Space Heater
S752	Epoxy Powder Coat Finish, External
S753	Epoxy Powder Coat Finish, External & Internal
NP	Name Plates

### Breaker Format:

Qty,type,poles,amps (Each configuration will be followed by a comma)

BAB is standard and does not require a type prefix.

Example: 1130,2GFI230,1EPD140



### Back Fed Main Breaker

Catalog Number	Available Circuitss	Phases	Voltage Rating	Bus amps	Drawing Figure	Dimensions				
						a	b	c	d	e
SN7LP6BF121*-*	6	1	240	100	A	17.09	17.07	10.82	5.44	11.48
SN7LP12BF121*-*	12	1	240	100	B	23.31	17.31	11.13	11.50	14.94
SN7LP18BF121*-*	18	1	240	100	B	23.31	17.31	11.13	11.50	14.94
SN7LP24BF121*-*	24	1	240	100	C	29.44	17.44	11.63	17.50	14.94
SN7LP6BF321*-*	6	3	240	100	A	17.09	17.07	10.82	5.44	114.76
SN7LP12BF321*-*	12	3	240	100	B	23.31	17.31	11.13	11.50	14.94
SN7LP18BF321*-*	18	3	240	100	B	23.31	17.31	11.13	11.50	14.94
SN7LP24BF321*-*	24	3	240	100	C	29.44	17.44	11.63	17.50	14.94

(\* ) EQUALS 1, 2, 3, AND 4 IN CATALOG PART NUMBERING

# SN7LP

## Non-Factory Sealed Panelboards



### Breaker Format Continued:

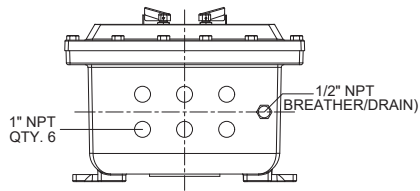
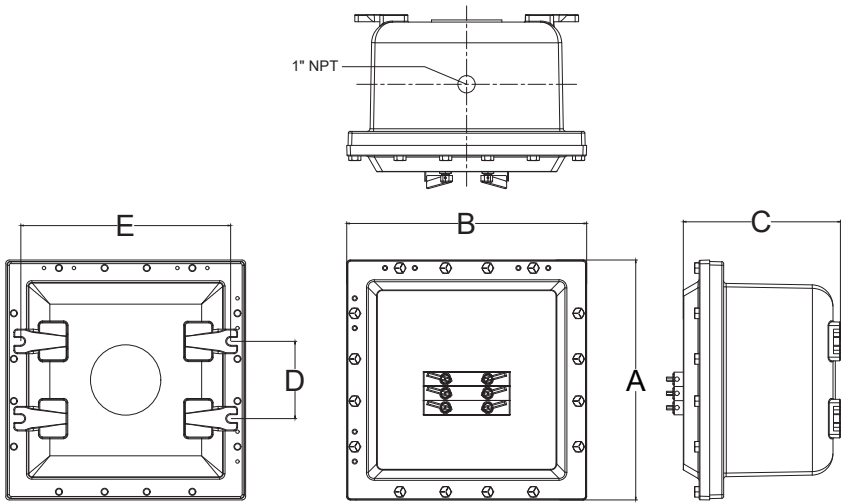
qty,type,poles,amps (Each configuration will be followed by a comma) BAB is standard and does not require a type prefix. Example: 1130,2GFI230,1EPD140

Main lug only										
Catalog Number	Available Circuitss	Phases	Voltage Rating	Bus amps	Drawing Figure	Dimensions				
						a	b	c	d	e
SN7LP6MLO121*.*.*	6	1	240	100	A	17.09	17.07	10.82	5.44	11.48
SN7LP12MLO121*.*.*	12	1	240	100	B	23.31	17.31	11.13	11.50	14.94
SN7LP18MLO121*.*.*	18	1	240	100	B	23.31	17.31	11.13	11.50	14.94
SN7LP24MLO121*.*.*	24	1	240	100	C	29.44	17.44	11.63	17.50	14.94
SN7LP24MLO122*.*.*	24	1	240	225	C	29.44	17.44	11.63	17.50	14.94
SN7LP30MLO122*.*.*	30	1	240	225	D	41.22	17.19	11.92	29.50	14.94
SN7LP36MLO122*.*.*	36	1	240	225	D	41.22	17.19	11.92	29.50	14.94
SN7LP42MLO122*.*.*	42	1	240	225	D	41.22	17.19	11.92	29.50	14.94
SN7LP6MLO321*.*.*	6	3	240	100	A	17.09	17.07	10.82	5.44	114.76
SN7LP12MLO321*.*.*	12	3	240	100	B	23.31	17.31	11.13	11.50	14.94
SN7LP18MLO321*.*.*	18	3	240	100	B	23.31	17.31	11.13	11.50	14.94
SN7LP24MLO321*.*.*	24	3	240	100	C	29.44	17.44	11.63	17.50	14.94
SN7LP24MLO322*.*.*	24	3	240	225	C	29.44	17.44	11.63	17.50	14.94
SN7LP30MLO322*.*.*	30	3	240	225	D	41.22	17.19	11.92	29.50	14.94
SN7LP36MLO322*.*.*	36	3	240	225	D	41.22	17.19	11.92	29.50	14.94
SN7LP42MLO322*.*.*	42	3	240	225	D	41.22	17.19	11.92	29.50	14.94

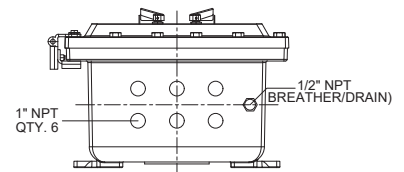
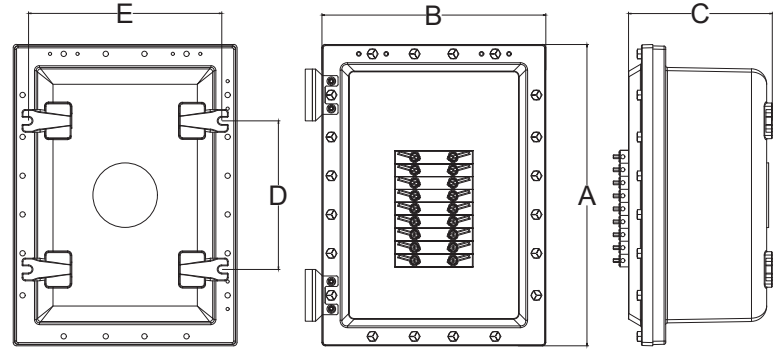
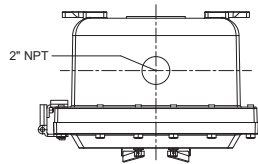
Vertical Main Breaker										
Catalog Number	Available Circuitss	Phases	Voltage Rating	Bus amps	Drawing Figure	Dimensions				
						a	b	c	d	e
SN7LP6*121*.*.*	6	1	240	100	B	23.31	17.31	11.13	11.50	14.94
SN7LP12*121*.*.*	12	1	240	100	B	23.31	17.31	11.13	11.50	14.94
SN7LP18*121*.*.*	18	1	240	100	B	23.31	17.31	11.13	11.50	14.94
SN7LP24*121*.*.*	24	1	240	100	C	29.44	17.44	11.63	17.50	14.94
SN7LP24*122*.*.*	24	1	240	225	C	29.44	17.44	11.63	17.50	14.94
SN7LP30*122*.*.*	30	1	240	225	D	41.22	17.19	11.92	29.50	14.94
SN7LP36*122*.*.*	36	1	240	225	D	41.22	17.19	11.92	29.50	14.94
SN7LP42*122*.*.*	42	1	240	225	D	41.22	17.19	11.92	29.50	14.94
SN7LP6*321*.*.*	6	3	240	100	B	23.31	17.31	11.13	11.50	14.94
SN7LP12*321*.*.*	12	3	240	100	B	23.31	17.31	11.13	11.50	14.94
SN7LP18*321*.*.*	18	3	240	100	B	23.31	17.31	11.13	11.50	14.94
SN7LP24*321*.*.*	24	3	240	100	C	29.44	17.44	11.63	17.50	14.94
SN7LP24*322*.*.*	24	3	240	225	C	29.44	17.44	11.63	17.50	14.94
SN7LP30*322*.*.*	30	3	240	225	D	41.22	17.19	11.92	29.50	14.94
SN7LP36*322*.*.*	36	3	240	225	D	41.22	17.19	11.92	29.50	14.94
SN7LP42*322*.*.*	42	3	240	225	D	41.22	17.19	11.92	29.50	14.94

# SN7LP

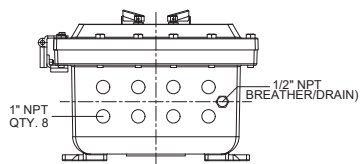
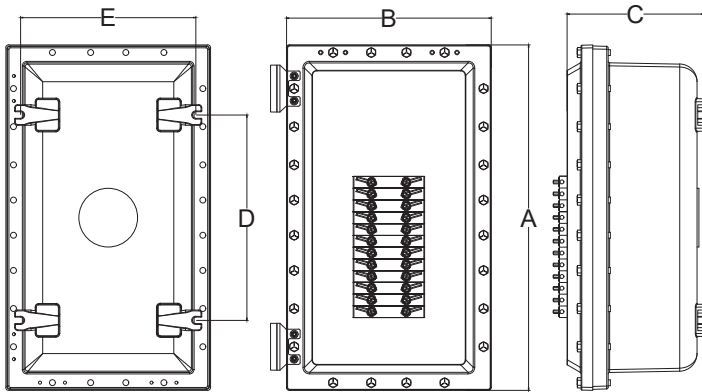
Non-Factory Sealed Panelboards



**FIGURE "A"**



**FIGURE "B"**



**FIGURE "C"**

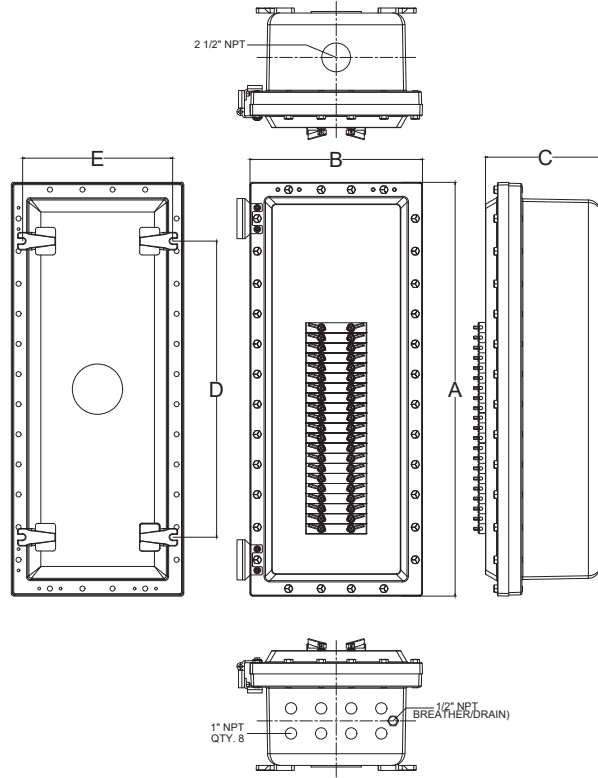
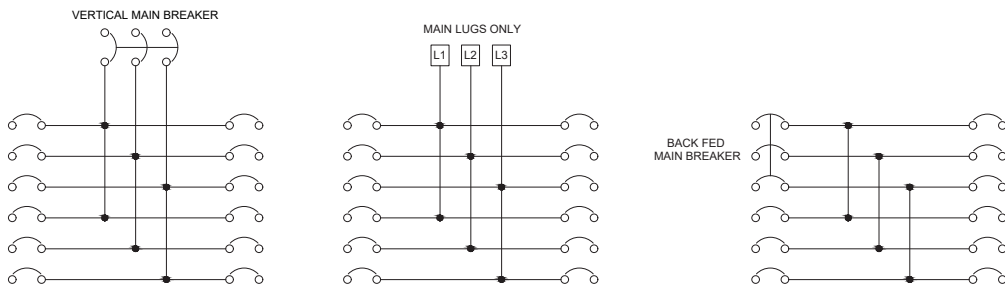
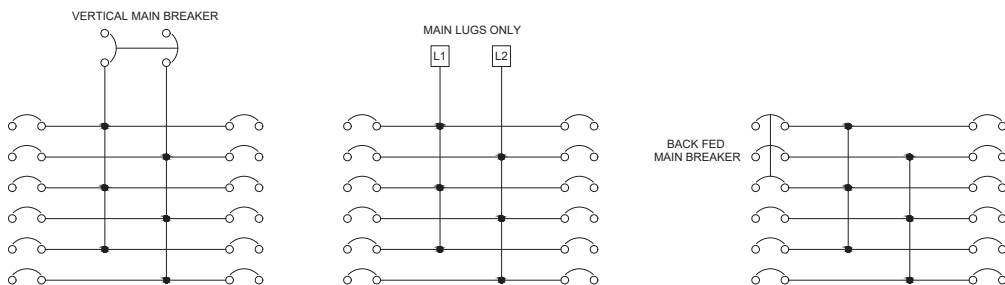


FIGURE "D"

## TYPICAL WIRING DIAGRAM FOR SN7PB PANEL BOARDS



THREE PHASE WIRING DIAGRAM



SINGLE PHASE WIRING DIAGRAM

Example Part Number  
**SN7SLP 12 150342T - 6130,6140 - S756V**



**SN7SLP 12 225 34 2 2T - 6130,6140 - S756**

Poles	
#	Description
6	6 Circuits
12	12 Circuits
18	18 Circuits
24	24 Circuits
30	30 Circuits
36	36 Circuits
42	42 Circuits
6BF	6 Circuits w/ back fed main breaker
12BF	12 Circuits w /back fed main breaker
18BF	18 Circuits w/ back fed main breaker
24BF	24 Circuits w/ back fed main breaker
39BF	39 Circuits w/ back fed breaker

Wiring System	
3-3	Phase 120/208 V
1-1	Phase 120/240 V

Breaker Voltage	
2	240V

Bus Amps	
1	100A
2	225A
3	400A
4	600A

Power Entry	
T	Top Feed
B	Bottom Feed

Disconnect AMPS	
AMPS	Description
30-255A	Vertical main
10-100A	Back fed main
MLO	Main lug only
400A	Vertical Main
600A	Vertical Main

Branch		
120/240-120/208V		
Type	Poles	Amps
BAB	1	10 - 70, 100A
BAB	2	10 - 125A
BAB	3	10 - 100A
GFI	1	15 - 40A
GFI	2	15 - 50A
EPD	1	15 - 40A
EPD	2	15 - 50A

Enclosure Modification And Accessories	
S756	Drain Class I,B,C & D, Class II,E,F & G, Class III
S756V	Breather/Drain Class I,B,C & D, Class II,E,F & G, Class III
CJB	Cast Aluminum Junction Box
MC	Pre-Wire For Max Circuits
INV	Inverted Orientation
OS	Oversized Junction Box

**Breaker Format:**

qty,type,poles,amps (Each configuration will be followed by a comma)  
 BAB is standard and does not require a type prefix.  
 Example: 1130,2GFI230,1EPD140

**Back Fed Main Breaker**

Catalog Number	Available Circuitss	Phases	Voltage Rating	Bus amps	Drawing Figure	Dimensions							
						a	b	c	d	e	f	g	h
SN7SLP6BF121*-*	6	1		100	AA	17.09	17.07	10.82	5.44	11.48	17.25	10.00	30.47
SN7SLP12BF121*-*	12	1		100	BB	23.31	17.31	11.13	11.50	14.94	17.25	10.00	36.45
SN7SLP18BF121*-*	18	1		100	BB	23.31	17.31	11.13	11.50	14.94	17.25	10.00	36.45
SN7SLP24BF121*-*	24	1		100	CC	29.44	17.44	11.63	17.50	14.94	17.25	14.00	42.77
SN7SLP6BF321*-*	6	3		100	AA	17.09	17.07	10.82	5.44	114.76	17.25	10.00	30.47
SN7SLP12BF321*-*	12	3		100	BB	23.31	17.31	11.13	11.50	14.94	17.25	10.00	36.45
SN7SLP18BF321*-*	18	3		100	BB	23.31	17.31	11.13	11.50	14.94	17.25	10.00	36.45
SN7SLP24BF321*-*	24	3		100	CC	29.44	17.44	11.63	17.50	14.94	17.25	14.00	42.77
SN7SLP6BF341*-*	6	3	480	100	AA	17.09	17.07	10.82	5.44	114.76	17.25	10.00	30.47
SN7SLP12BF341*-*	12	3	480	100	BB	23.31	17.31	11.13	11.50	14.94	17.25	10.00	36.45
SN7SLP18BF341*-*	18	3	480	100	BB	23.31	17.31	11.13	11.50	14.94	17.25	10.00	36.45
SN7SLP24BF341*-*	24	3	480	100	CC	29.44	17.44	11.63	17.50	14.94	17.25	14.00	42.77

### Breaker Format:

qty,type,poles,amps (Each configuration will be followed by a comma) BAB is standard and does not require a type prefix. Example: 1130,2GFI230,1EPD140

#### Main lug only

Catalog Number	Available Circuitss	Phases	Voltage Rating	Bus amps	Drawing Figure	Dimensions							
						a	b	c	d	e	f	g	h
SN7SLP6MLO121*-*	6	1		100	AA	17.09	17.07	10.82	5.44	114.76	17.25	10.00	30.47
SN7SLP12MLO121*-*	12	1		100	BB	23.31	17.31	11.13	11.5	14.94	17.25	10.00	36.45
SN7SLP18MLO121*-*	18	1		100	BB	23.31	17.31	11.13	11.5	14.94	17.25	10.00	36.45
SN7SLP24MLO121*-*	24	1		100	CC	29.44	17.44	11.63	17.5	14.94	17.25	14.00	42.77
SN7SLP24MLO122*-*	24	1		225	CC	29.44	17.44	11.63	17.5	14.94	17.25	14.00	42.77
SN7SLP30MLO122*-*	30	1		225	DD	41.22	17.19	11.92	29.5	14.94	17.25	14.00	54.53
SN7SLP36MLO122*-*	36	1		225	DD	41.22	17.19	11.92	29.5	14.94	17.25	14.00	54.53
SN7SLP42MLO122*-*	42	1		225	DD	41.22	17.19	11.92	29.5	14.94	17.25	14.00	54.53
SN7SLP6MLO321*-*	6	3		100	AA	17.09	17.07	10.82	5.44	114.76	17.25	10.00	30.47
SN7SLP12MLO321*-*	12	3		100	BB	23.31	17.31	11.13	11.5	14.94	17.25	10.00	36.45
SN7SLP18MLO321*-*	18	3		100	BB	23.31	17.31	11.13	11.5	14.94	17.25	10.00	36.45
SN7SLP24MLO321*-*	24	3		100	CC	29.44	17.44	11.63	17.5	14.94	17.25	14.00	42.77
SN7SLP24MLO322*-*	24	3		225	CC	29.44	17.44	11.63	17.5	14.94	17.25	14.00	42.77
SN7SLP30MLO322*-*	30	3		225	DD	41.22	17.19	11.92	29.5	14.94	17.25	14.00	54.53
SN7SLP36MLO322*-*	36	3		225	DD	41.22	17.19	11.92	29.5	14.94	17.25	14.00	54.53
SN7SLP42MLO322*-*	42	3		225	DD	41.22	17.19	11.92	29.5	14.94	17.25	14.00	54.53
SN7SLP6MLO341*-*	6	3	480	100	AA	17.09	17.07	10.82	5.44	114.76	17.25	10.00	30.47
SN7SLP12MLO341*-*	12	3	480	100	BB	23.31	17.31	11.13	11.50	14.94	17.25	10.00	36.45
SN7SLP18MLO341*-*	18	3	480	100	BB	23.31	17.31	11.13	11.50	14.94	17.25	10.00	36.45
SN7SLP24MLO341*-*	24	3	480	100	CC	29.44	17.44	11.63	17.50	14.94	17.25	14.00	42.77
SN7SLP24MLO342*-*	24	3	480	225	CC	29.44	17.44	11.63	17.50	14.94	17.25	14.00	42.77
SN7SLP30MLO342*-*	30	3	480	225	DD	41.22	17.19	11.92	29.50	14.94	17.25	14.00	54.53
SN7SLP36MLO342*-*	36	3	480	225	DD	41.22	17.19	11.92	29.50	14.94	17.25	14.00	54.53
SN7SLP42MLO342*-*	42	3	480	225	DD	41.22	17.19	11.92	29.50	14.94	17.25	14.00	54.53

#### Vertical Main Breaker

Catalog Number	Available Circuitss	Phases	Voltage Rating	Bus amps	Drawing Figure	Dimensions							
						a	b	c	d	e			
SN7SLP6*121*-*	6	1		100	BB	23.31	17.31	11.13	11.50	14.94	17.25	10.00	36.45
SN7SLP12*121*-*	12	1		100	BB	23.31	17.31	11.13	11.50	14.94	17.25	10.00	36.45
SN7SLP18*121*-*	18	1		100	BB	23.31	17.31	11.13	11.50	14.94	17.25	10.00	36.45
SN7SLP24*121*-*	24	1		100	CC	29.44	17.44	11.63	17.50	14.94	17.25	14.00	42.77
SN7SLP24*122*-*	24	1		225	CC	29.44	17.44	11.63	17.50	14.94	17.25	14.00	42.77
SN7SLP30*122*-*	30	1		225	DD	41.22	17.19	11.92	29.50	14.94	17.25	14.00	54.53
SN7SLP36*122*-*	36	1		225	DD	41.22	17.19	11.92	29.50	14.94	17.25	14.00	54.53
SN7SLP42*122*-*	42	1		225	DD	41.22	17.19	11.92	29.50	14.94	17.25	14.00	54.53
SN7SLP6*321*-*	6	3		100	BB	23.31	17.31	11.13	11.50	14.94	17.25	10.00	36.45
SN7SLP12*321*-*	12	3		100	BB	23.31	17.31	11.13	11.50	14.94	17.25	10.00	36.45
SN7SLP18*321*-*	18	3		100	BB	23.31	17.31	11.13	11.50	14.94	17.25	10.00	36.45
SN7SLP24*321*-*	24	3		100	CC	29.44	17.44	11.63	17.50	14.94	17.25	14.00	42.77
SN7SLP24*322*-*	24	3		225	CC	29.44	17.44	11.63	17.50	14.94	17.25	14.00	42.77
SN7SLP30*322*-*	30	3		225	DD	41.22	17.19	11.92	29.50	14.94	17.25	14.00	54.53
SN7SLP36*322*-*	36	3		225	DD	41.22	17.19	11.92	29.50	14.94	17.25	14.00	54.53
SN7SLP42*322*-*	42	3		225	DD	41.22	17.19	11.92	29.50	14.94	17.25	14.00	54.53
SN7SLP6*341*-*	6	3	480	100	AA	17.09	17.07	10.82	5.44	114.76	17.25	10.00	30.47
SN7SLP12*341*-*	12	3	480	100	BB	23.31	17.31	11.13	11.50	14.94	17.25	10.00	36.45
SN7SLP18*341*-*	18	3	480	100	BB	23.31	17.31	11.13	11.50	14.94	17.25	10.00	36.45
SN7SLP24*341*-*	24	3	480	100	CC	29.44	17.44	11.63	17.50	14.94	17.25	14.00	42.77
SN7SLP24*342*-*	24	3	480	225	CC	29.44	17.44	11.63	17.50	14.94	17.25	14.00	42.77
SN7SLP30*342*-*	30	3	480	225	DD	41.22	17.19	11.92	29.50	14.94	17.25	14.00	54.53
SN7SLP36*342*-*	36	3	480	225	DD	41.22	17.19	11.92	29.50	14.94	17.25	14.00	54.53
SN7SLP42*342*-*	42	3	480	225	DD	41.22	17.19	11.92	29.50	14.94	17.25	14.00	54.53

# SN7SLP

Factory Sealed Panelboards

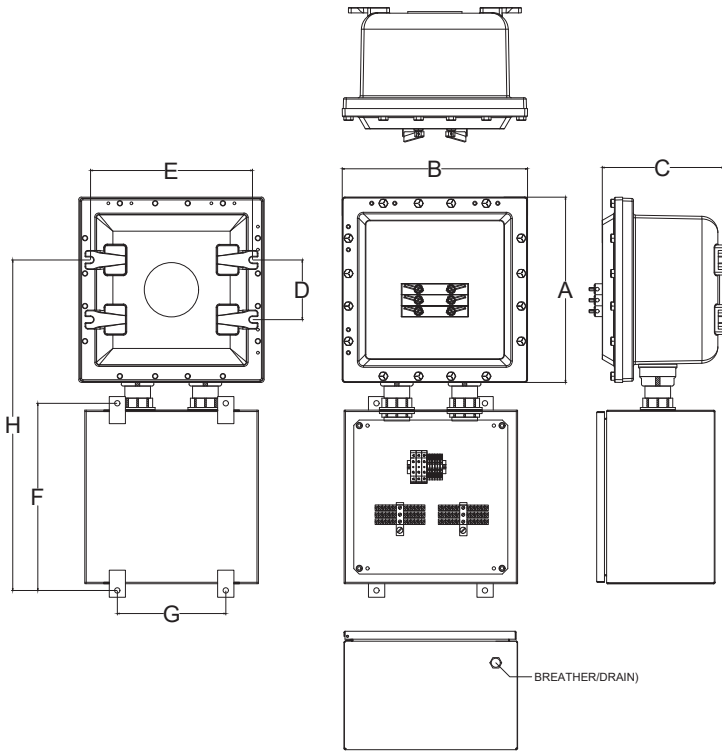


FIGURE "AA"

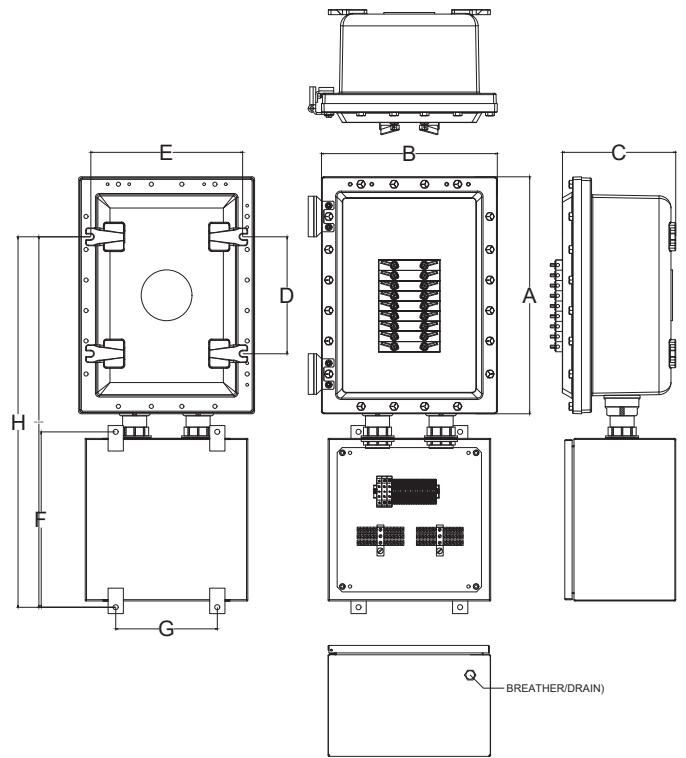


FIGURE "BB"

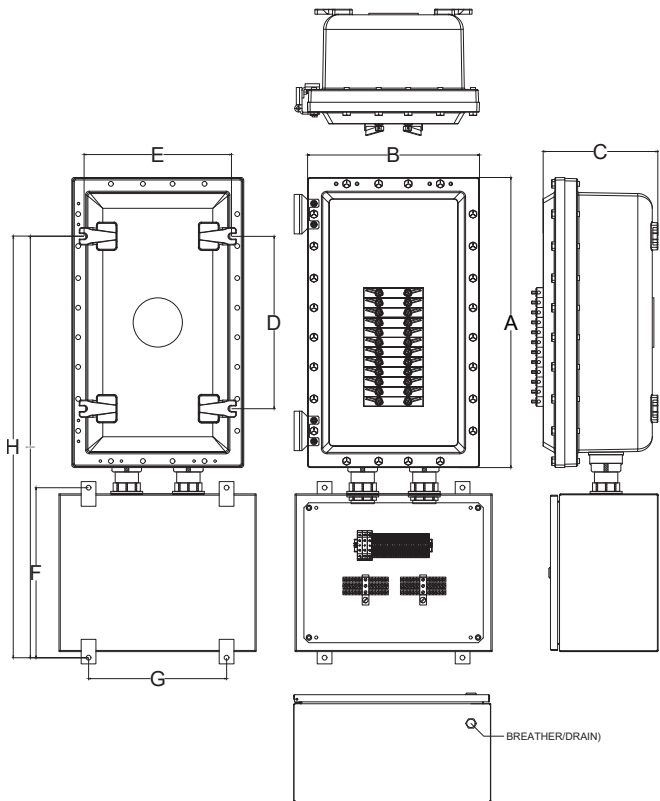
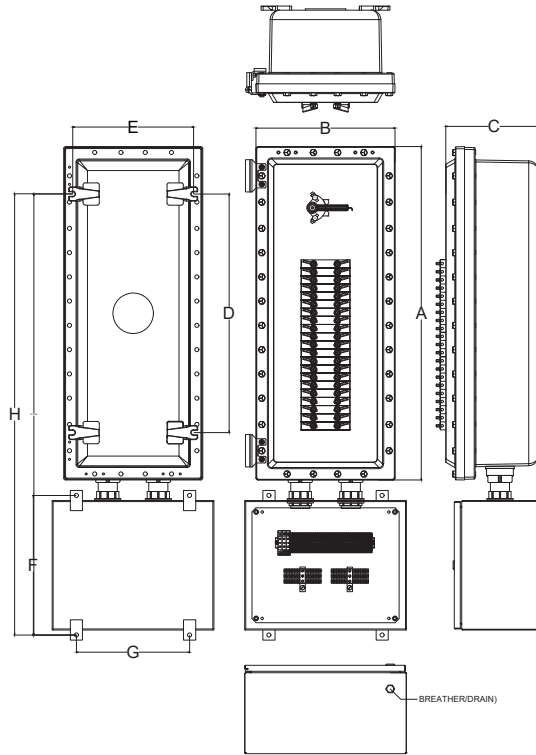


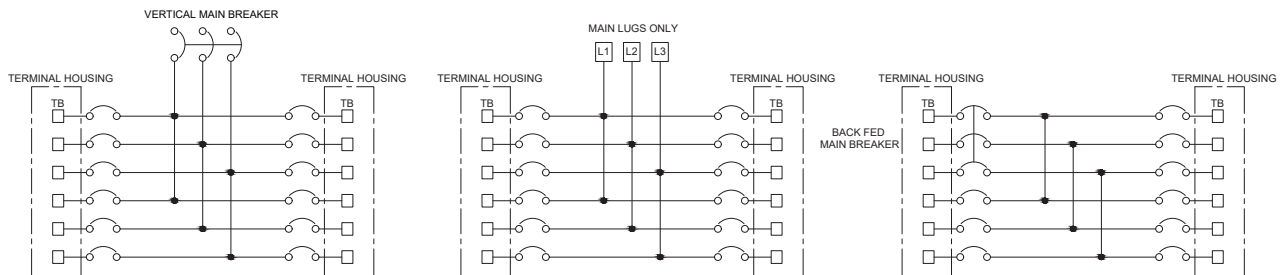
FIGURE "CC"



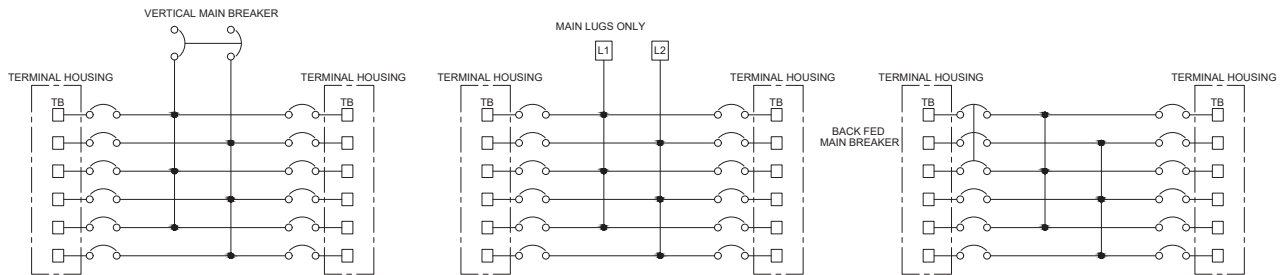


**FIGURE "DD"**  
(SHOWN WITH VERTICAL MAIN BREAKER)

**TYPICAL WIRING DIAGRAM FOR SN7SPB FACTORY SEALED PANEL BOARDS**



**THREE PHASE WIRING DIAGRAM**



**SINGLE PHASE WIRING DIAGRAM**

# Panelboards

Pow-R-Line 1a



## Panelboard Ratings:

### Voltage:

- 240 Vac maximum

### Main Lugs:

- 100-600 A

### Main Breakers:

- 100-600 A

### Branch Breakers:

- 115-100 A  
(Bold on or Plug on Chassis)

### Short-Circuit Current Ratings (Symmetrical):

- 240 Vac: 10 kA and 22 kA fully rated
- 240 Vac: 22–200 kA series rated

### Service:

- Three-phase, four-wire 208Y/120 V and 240/120 V delta
- Single-phase, three-wire 120/240 V
- Single-phase, two-wire 120 V
- Three-phase, three-wire 208 V & 240 V

Suitable for service entrance applications when specified.

### Mains:

For available mains, refer to Table 22.1-1.

Main breakers, 100 A, Types BAB and QBH are horizontally mounted, same as branch breakers. All other main breakers are vertically mounted.

### Branch Circuits:

For available branch devices, refer to Table 22.1-2.

### Main Lugs Only:

The short-circuit rating of the MLO assembled panelboard will be fully rated based upon the lowest rated branch device or may be series rated with an approved upstream device.

Main lugs only ampere ratings: 100, 225, 400 and 600.

### Main Circuit Breakers:

The short-circuit rating shown is that of the main breaker only. The short circuit rating of the assembled panelboard is the rating of the lowest fully rated main or branch device or the rating of an approved series rated combination.

Table 22.1-1. Main Circuit Breakers

Breaker Frame Amperes	Breaker Type	Interrupting Rating (kA Symmetrical) at 240 Vac
100	BAB	10
100	QBHW	22
100	EHD	18
150	FDB	18
225	FD, FDE	65
225	HFD, HFDE	100
225	FDC, FDCE	200
225	EDB	22
225	EDS	42
225	ED	65
225	EDH	100
225	EDC	200
250	JD	65
250	HJD	100
250	JDC	200
400	DK	65
400	KD	65
400	HKD	100
400	KDC	200
400	LHH	100
600	LGE	65
600	LGS	85
600	LGH	100
600	LGC	200
600	LGU	200

Table 22.1-2. Branch Circuit Breakers

Breaker Type	Ampere Rating	Number of Poles	Interrupting Rating (kA Symmetrical)		
			120 Vac	120/240 Vac	240 Vac
BAB, HQP	15–70	1	10	—	—
BAB, HQP	15–100	2	—	10	—
BAB, HQP	15–100	2, 3	—	—	10
BAB-D ①, HQP-D ①	15–60	1, 2	10	10	—
BAB-C ②, HQP-B ②	15–30	1, 2	10	10	—
BABRP ③	15–30	1, 2	10	10	—
BABRSP ③	15–30	1, 2	10	10	—
QBGf, QBGFEP, QPGf, QPGFEP	15–50 ④	1, 2	10	10	—
QBCAF ⑤	15–20	1	10	10	—
QBHW	15–70	1	22	—	—
QBHW	15–100	2	—	22	—
QBHW	15–100	2, 3	—	—	22
QBHGf, QBGFEP	15–30	1, 2	22	22	—
QPHGf, QPHGFEP	15–30	1, 2	22	22	—
QBHCAF ⑤	15–20	1	22	22	—

① HID (High Intensity Discharge) rated breaker.

② Switching neutral breaker. Single-pole device requires two-pole space, two-pole device requires three-pole space.

③ Solenoid operated breaker.

④ 50 A is two-pole only.

⑤ Arc fault breaker.

## Technical Data and Specifications

### Bussing:

100–400 A: Copper is standard, tin-plated aluminum is available as an option.

600 A: Only copper density is available for these applications.

### Ground Bar:

Standard bolted in box. Aluminum is standard, copper is available as an option.

Table 22.1-5. Sub-Feed Breakers (One Per Panel)

Ampere Rating	Breaker Type	Interrupting Rating (kA Symmetrical) at 240 V
150	FDB	18
225	FD	65
225	HFD	100
225	FDC	200
225	EDB	22
225	EDS	42
225	ED	65
225	EDH	100
225	EDC	200
250	JD	65
250	HJD	100
250	JDC	200
400	DK	65
400	KD	65
400	HKD	100
400	KDC	200
600	LGE	65
600	LGS	85
600	LGH	100
600	LGC	100

### Shunt Trips:

Shunt trips are available on breakers. BAB, HQP, QBHW and QPHW require one additional Circuits space for shunt trip, i.e., single-pole is two-pole size, two-pole is three-pole size and three-pole is four-pole size.

### Surge Protective Device (SPD):

Integrated onto panelboard chassis. For complete product description and available ratings, contact factory.



### General Construction Features:

Our assembled panelboards are designed for sequence phase connection of branch circuit devices. This allows complete flexibility of circuit arrangement (single-, two- or three-poles) to allow balance of the electrical load on each phase.

Sturdy, rigid chassis assembly ensures accurate alignment of interior with panel front; prevents flexing and minimizes possibility of loosening or damage to current carrying parts during and after installation.

Four point in-and-out adjustment of panel interior is provided to meet critical depth dimensions on flush installations. This compensates for possible misalignment of box at installation.

Main lugs are mechanical solderless type and approved for copper and aluminum conductors.

### Standards and Certifications:

- UL® 67 Listed for wall-mounted applications from 600 A National Electrical Code®

### Combination AFCI Circuit Breakers:

Eaton's 125 Vac AFCI single- and two-Circuits, 15 A and 20 A bolt-on breakers in panelboards meet Article 210.12 of the NEC. See the NEC code for definitions and details.

### Available Rating:

The panelboards are rated at 240 Vac, 480 Vac and 600 Vac. Fault current is available up to 200 kAIC at 240 Vac, 100 kAIC at 480 Vac and 65 kAIC at 600 Vac. The short-circuit current rating of the panelboard is determined by the low short-circuit current rating of the lowest rated overcurrent device in the panelboard.

### Pow-R-Line 1a:

- Robust design using Eaton circuit breakers
- Increased ratings (with Series
- Rated main circuit breakers) provide higher short-circuit ratings
- Pow-R-Line 1a can accommodate branch breakers dual-mounted through 100 A
- Pow-R-Line 1a panelboards accommodate sub-feed breakers up to 400 A
- UL tested and listed. Meets NEC® and NEMA® standards

### Standards:

All our panelboards are designed to meet the following applicable industry standards, except where noted:

1. Underwriters Laboratories
    - a. Panelboards: UL 67
    - b. Cabinets, boxes and trims: UL 50
- \*Note: Only panelboards containing UL listed devices can be UL labeled.
2. National Electrical Code
  3. NEMA Standards: PB 1
  4. Federal Specification W-P-115c
    - a. Circuit breaker—Type I Class 1
    - b. FUSIBLE SWITCH—TYPE II CLASS 1

### Panelboard Selection Factors:

In selecting a panelboard, the following factors must be considered:

- a. Service (voltage and frequency).
- b. Interrupting capacity (fully or series rated).
- c. Ampere rating of main.
- d. Ampere ratings of branches.
- e. Installation environment.
- f. Codes and standards mandates.

### Panelboard Options:

- Copper and silver-plated copper
- Copper lugs
- Density-rated bus
- Ground bars
- Customer-owned meters
- Service equipment construction
- Surge protective devices
- Seismically qualified panelboards

### Panelboard Short-Circuit Rating:

The short-circuit rating of Eaton's assembled panelboards are test verified by, and listed with, Underwriters Laboratories. Generally, these ratings are that of the lowest interrupting rated device in the panel.

Certain exceptions to this rule exist where branch devices have been UL tested in combination with specific main devices having a higher interrupting rating. Where these defined main breaker and branch breaker combinations are used, the series short-circuit rating of the assembled panelboard will be the same as the series tested rating of the approved rated main breaker. All combinations shown are UL tested and listed.

These series ratings apply to panels having main devices, or main lug only panelboards fed remotely by the device listed in the series ratings chart as the main, for which UL listed tests were conducted.

