

1A XLPB Industrial Panelboards

NEMA 1, 3, 3R, 4, 4X, 12

NEMA PB1

UL/cUL Listed

Applications:

XLPB Industrial Panelboards are used / installed:

- In areas made corrosive due to the presence of chemicals, salt water, and/or moisture
- In locations where rough usage, moisture, dust, dirt, and corrosion are a problem
- In areas subject to weather, dampness, or wash down requirements
- To provide, in one compact unit, a centrally controlled switching system for a large number of feeder or branch circuits
- For branch power distribution and circuit protection of motors, valves, pumps, lighting, heat tracing, receptacles, etc.
- In indoor and outdoor installations
- To house thermal-magnetic circuit breakers that provide disconnect means, short circuit protection, and thermal time delay overload protection



XLPB Panelboard Closed



XLPB Panelboard Open

Features and Benefits:

- Heavy-duty welded mounting feet provide ease of installation (customer can easily support the panel with bottom mounting feet, while fastening the top feet)
- High quality foam-in-place gasket prevents ingress of water and corrosive agents, reducing panel failure due to moisture/corrosion
- An integral drainage channel allows for opening the panel door without moisture or dust seeping into panel from the top side of the enclosure
- An internal/external ground stud assembly enables rapid and reliable protective ground connection
- Industrial grade NEMA 4X panel designed for harsh environments provides long product life

Standard Materials & Finishes:

- 316L stainless steel or painted sheet steel
- Eaton Pow-R-Line™ chassis
- Eaton Cutler-Hammer™ circuit breakers
- Stainless steel hardware
- High integrity foam-in-place gasket
- Industrial laminate insulate dead-front cover
- SS316 quarter-turn screw driver entry standard

Electrical Ratings:

- 120/208, 240, 277/480, 480, and 347/600, 600 voltage panels
- 100 and 225 amp rated chassis
- Isolated neutral and ground bars
- Main breakers up to 225 amps
- 12, 18, 24, and 42 circuit panels
- 10kAIC

Panel Capacity:

Panel Size	With Main Lug	With Main Breaker		Main Capacity		Available w/GFI/EPD Branch Protection
		2-Pole	3-Pole	120/208V (3P 4W) 120/240V (1P 3W) 277/480V (3P 4W)* 347/600V (3P 4W) CSA ONLY	480V (3P 3W) 277/480V (3P 4W) 600V (3P 3W) 347/600 (3P 4W)	
A	12	10	9	Up to 100 Amp		Up to 240V*
B	18	16	15	Up to 100 Amp		Up to 240V*
C	24	22	21	Up to 100 Amp		Up to 240V*
D	42	40	39	Up to 100 Amp		Up to 240V*

Certifications and Compliances:

- NEMA 1, 3, 3R, 4, 4X, 12
- NEMA PB1
- UL508A Listed / cUL Certified (CAN/CSA C22.2, No. 14) (UL File E246968)
- UL67 components
- UL489/CAN/CSA C22.2, No. 5 circuit breakers

*277V EPD Branch Protection potentially available - single phase only (requires 2 breaker spaces)

Ordering Information:

Example:

- NEMA 4X stainless steel
- 120/208 VAC 3-phase
- (8) 1-pole, 20 amp circuit breakers
- 3-pole, 100 amp main
- Bottom entry (inverted)

Example would be ordered as:

	XLPB	A	S	2	3	08	*08120	-3M100	-I
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1. Panel Type _____
XLPB
2. Size Enclosure _____
A = 12 circuit panelboard
B = 18 circuit panelboard
C = 24 circuit panelboard
D = 42 circuit panelboard
3. Enclosure Material Type _____
S = stainless steel
P = painted steel
4. Voltage _____
2 = 120/208, 240
4 = 480/277, 480
6 = 347/600
5. Phase _____
1 = single phase
3 = 3 phase
6. Total Number of Branch Circuits _____
Refer to step 2 for maximum number of branch circuits per enclosure size.
Number of branch circuits equals combined number of branch circuit breaker poles - i.e. qty. (8) 1-pole, 20 amp breakers = 08 poles

Option: Ambient compensated breakers for 50°C, add suffix V after total number of branch circuits
7. Branch Breaker Series _____
*Quantity, Pole, Amp
*08120 = qty. (08), 1-pole, 20 amp circuit breakers

*Option: For GFI circuit breakers, add suffix G after Total Number of Branch Circuits and Branch Breaker Series (ex. XLPBAS2308**G***04120*04115**G**-3M100*

*Option: For EPD circuit breakers, add suffix E after Total Number of Branch Circuits and Branch Breaker Series (ex. XLPBAS2308**E***04120*04115**E**-3M100*
8. Main Breaker _____
2 or 3 pole, 15 to 225A
Example: 3M100 = 3-pole main breaker, 100 amp
9. Options (see Options Section for more information) _____
Breathers and drains
Gland plates
Bottom feed inverted panelboard
Enclosure access handles
Key entry door access
External operators
Lighting contactor



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Options:

Description	Suffix	Where Added
Ambient compensated breakers for 50°C	V	After Total Number of Branch Circuits
GFI - 5mA ground fault protection	G	After Total Number of Branch Circuits and after specific Branch Breaker Series
EPD - 30mA equipment protection	E	After Total Number of Branch Circuits and after specific Branch Breaker Series
Breathers and drains to reduce moisture and corrosion.....	S756V	End of Catalog Number
Gland plates for ease of installation	GP	End of Catalog Number
Bottom feed inverted panelboard	I	End of Catalog Number
Enclosure access handles	HLD	End of Catalog Number
Key entry door access	KED	End of Catalog Number
External operators.....	Contact Factory	
Lighting contactor	Contact Factory	

Dimensions:

MOUNTING PLATE

MOUNTING PLATE	DIMENSIONS (IN INCHES)			
	A	B	C	D
24 X 20	22"	18"	20"	16"
32 X 20	30"	18"	28"	16"
38 X 20	36"	18"	34"	16"
44 X 20	42"	18"	40"	16"

4-OFF \varnothing 7mm THRU HOLES FOR ALL SIZES

2-OFF ADDITIONAL HOLES ON CENTRE LINE FOR 38/20 & 44/20.

BOTTOM SIDE B

ENCLOSURE SIZE	DIMENSIONS (IN INCHES)						
	A	B	C	D	E	F	H
24 X 20 X 07	24"	20"	7 3/16"	25 1/4"	14"	12"	6"
32 X 20 X 07	32"	20"	7 3/16"	33 1/4"	14"	17 3/4"	7 1/8"
38 X 20 X 07	38"	20"	7 3/16"	39 1/4"	14"	23 5/8"	7 3/16"
44 X 20 X 07	44"	20"	7 3/16"	45 1/4"	14"	29 1/2"	7 1/4"

PLAN VIEW OF BOX WITH LID FITTED

\varnothing 7/16"

7/16"

M10 INT/EXT EARTHSTUD

1A