



Certification update: PowerPlus panelboards for hazardous locations UL certified 65 kAIC enclosure rating

One of the biggest challenges with adding high interrupting capacity breakers in a hazardous panelboard is the default 10 kAIC enclosure rating. PowerPlus™ panelboard enclosures are now the only 65 kAIC rated solution for Groups C and D.

Eaton's Crouse-Hinds PowerPlus panelboards provide premium factory sealed and value non-factory sealed solutions for the protection and distribution of lighting, power and heat tracing circuits.

Applications:

- Branch power distribution and circuit protection for motors, valves, pumps, lighting, heat tracing, etc.
- Accommodates up to 100A branch loads (max. 3 circuits), balance up to 50A

120/240V & 120/208V lighting & heat tracing panels:

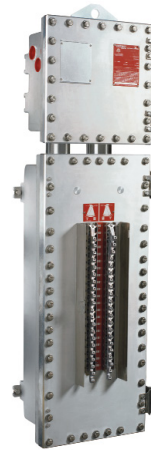
- Division 1: EPL series
- Division 2: D2L series
- 10 kAIC Eaton bolt-on breakers – standard
- 22 kAIC Eaton bolt-on breakers – optional

277/480V & 600V power panels:

- Division 1: EXD series
- Division 2: D2D series
- G-Frame 14 kAIC Eaton breakers – standard
- F-Frame up to 65 kAIC Eaton breakers – optional

Enclosure ratings:

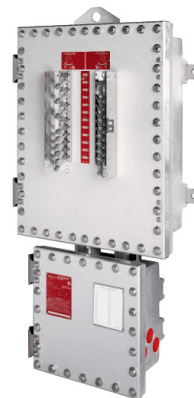
- 10 kAIC: -25°C to 60°C – Group B
- 65 kAIC: -25°C to 60°C – Groups C, D
- cUL maximum ambient +40°C



Division 1 – PowerPlus EPL



Division 2 – PowerPlus D2L



Division 1 – PowerPlus EXD



Division 2 – PowerPlus D2D



Powering Business Worldwide

120/240V & 120/208V lighting & heat tracing panels

Division 1 PowerPlus EPL



- Class I, Div. 1 & 2, Groups B (GB suffix), C, D
- Class I, Zone 1 & 2, IIB + H₂ (GB suffix)
- Class II, Div. 1, Groups E, F, G
- Class II, Div. 2, Groups F, G

Division 2 – PowerPlus D2L



- Class I, Div. 2, Groups B (GB suffix), C, D
- Class I, Zone 2, IIB + H₂ (GB suffix)
- Class II, Div. 2, Groups F, G

277/480V & 600V power panels

Division 1 – PowerPlus EXD



- Class I, Div. 1 & 2, Groups B (GB suffix), C, D
- Class I, Zone 1 & 2, IIB + H₂ (GB suffix)
- Class II, Div. 1, Groups E, F, G
- Class II, Div. 2, Groups F, G

Division 2 – PowerPlus D2D



- Class I, Div. 2, Groups B (GB suffix), C, D
- Class I, Zone 2, IIB + H₂ (GB suffix)
- Class II, Div. 2, Groups F, G

Standard breakers

Panel	Size	Breaker/AIC rating		Enclosure rating
		Branch	Main*	
EPL & D2L	B, C	BAB 10k/240V	BAB 10k/240V	10 kAIC Group B
D2L	C, D, X	BAB 10k/240V	ED 65K/240V	65 kAIC Groups C, D
EPL	C, D			

*Main breaker: BAB bolt-on breakers up to 100A main. Over 100A main uses ED frame breaker.

Optional high AIC breakers

Panel	Size	Breaker/AIC rating		Enclosure rating
		Branch	Main*	
EPL & D2L	B, C	QBH 22k/240V	QBH 22k/240V	10 kAIC Group B
D2L	C, D, X	QBH 22k/240V	ED 65k/240V	65 kAIC Groups C, D
EPL	C, D			

*Main breaker: QBH bolt-on breakers up to 100A main. Over 100A main uses ED frame breaker.

Standard breakers

Panel	Size	Breaker/AIC rating		Enclosure rating
		Branch	Main	
D2D & EXD	B, C	GHB 14k/480V	GHB 14k/480V*	10 kAIC Group B
	D	GHB 14k/480V	EHD 14k/480V*	65 kAIC Groups C, D
	F	EHD 14k/480V	FD 35k/480V*	

Optional high AIC breakers

Panel	Size	Breaker/AIC rating		Enclosure rating
		Branch	Main	
D2D & EXD	F	FD 35k/480V	FD 35k/480V*	10 kAIC Group B
		HFD 65k/480V	HFD 65K/480V	65 kAIC Groups C, D

*Optional main breaker can be added up to 65k/480V.

Standard features for all available panels include:

Self-aligning breaker operators

- Superior self-aligning breaker operators are designed for both field and factory installation
- Patented design guarantees proper handle alignment when closing cover

Type 4 breather and drain

- Corrosion-resistant
- Permits all models to maintain Type 4 rating by draining internal condensation
- Protects against ingress of hose and rain water

Spring loaded, quick release cover bolts

- Spring loaded, quick release, captive stainless steel bolts prevent damage to the flat joint flame path when opening cover
- Provide visual identification of bolt engagement

Questions?

For more information:

Please contact Eaton's Crouse-Hinds customer service at:

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