



PLEXPOWER™ FACTORY SEALED LIGHTING PANELBOARD

FEATURES

- The PlexPower features a ground-breaking design that uses individual breaker housings to minimize the downtime and costs associated with servicing circuit breakers in hazardous locations.
- PlexPower breakers accommodate off-the-shelf breakers, making replacements readily available.
- Gland plate at the bottom of enclosure can be easily field punched for cable or conduit entries. Additional gland plates available for sides and top must be ordered with the panelboard. See options.
- Flexibility through horizontal and vertical coupling options.
- Standard models offer 3 circuit to 54 circuit panelboard configurations.
- Models are available standard with or without main breaker, depending on the configuration.
- Standard configuration includes internal actuators and a solid door; factory installed options include window door or external actuators.
- Supplied with dead front for internal actuation.
- Branch circuit breakers available in 1-, 2- and 3-pole. Current ratings on branch breakers:
 - 1-pole: 120, 277, 347 Volts, 60 Amps maximum.
 - 2- and 3-pole: 240 Volts, 40 Amps maximum.
- Main circuit breakers up to 150 Amps, 2- or 3-pole.
- Breakers can be individually padlocked in either the “On” or “Off” position.
- Ground and or neutral bars provided as standard.
- External/internal ground lug provided as standard.
- Main breaker module terminal wire range #14-4/0.
- Standard model utilizes Cutler-Hammer⁺ QC Series or F-Frame Series circuit breakers rated -20 °C to +40 °C (-4 °F to +104 °F).

STANDARD MATERIALS

- Enclosure: stainless steel
- Hardware: stainless steel
- Bus bar: hard drawn, tin plated, copper

OPTIONS

- Must be listed in alphanumeric sequence at the end of the catalog number.
- Drain/breather, add suffix **—DV**. ①
- Ground Fault Interrupter Breakers for 120V, single pole, available in 15, 20, 25 and 30 Amps only:
 - For 5 mA, add suffix **—GFI** after breaker
 - For 30 mA, add suffix **—EPD** after breaker
- External actuation, add suffix **—EXT**.
- Grounded neutral, add suffix **—GN**.
- Gland plate, specify suffix **GPL** = left side, **GPR** = right side, **GPT** = top side, **NGP** = no gland plate).
- Heater for condensation,
 - For Class I, Division 2 Groups B, C, D only, add suffix **—HTR**.
 - For Class I, Zone 1 certification, add suffix **—HTRF**.
- Heater for panels certified to -40°C (-40°F) ambient temperature,
 - For Class I, Division 2 Groups B, C, D only, add suffix **—HTR40**.
 - For Class I, Zone 1 certification, add suffix **—HTRF40**.
- LED indicator lights, add suffix **—IL**.
- Inverted feed, add suffix **—INV**.
- Phenolic/ lamacoid nameplate (specify legend), add suffix **—NP**.
- Door padlocking provision, add suffix **—P**.
- Stainless steel legend plate (specify legend), add suffix **—SP**.
- Terminal blocks instead of direct wiring, add suffix **—TB**. ③
- Window with internal actuation only, add suffix **—W**.

NEC/CEC CERTIFICATIONS AND COMPLIANCES

- UL Standards: ANSI/UL 67, ANSI/ISA 12.12.01, ANSI/UL 1203, ANSI/UL 60079-0, ANSI/UL60079-1, ANSI/UL60079-7
- CSA Standards: C22.2 No. 29, C22.2 No. 0, C22.2 No. 213, CAN E60079-0, CAN E60079-7, CAN E60079-1
- cCSAus Certified: 039199
- Class I, Zone 1, AEx de IIB+H₂ T5
- Ex de IIB+H₂ T5
- Class I, Division 2, Groups B, C, D
- Class II, Division 1, Groups F, G ①
- Class III ①
- IP66, Type 4X ②

① Certification only applies without drain/breather.

② IP66, Type 4X Certification only applies with drain/breather.

③ Maximum amperage for branch terminal blocks is 45 amps.

+ Cutler-Hammer is a registered trademark of Eaton Corporation.

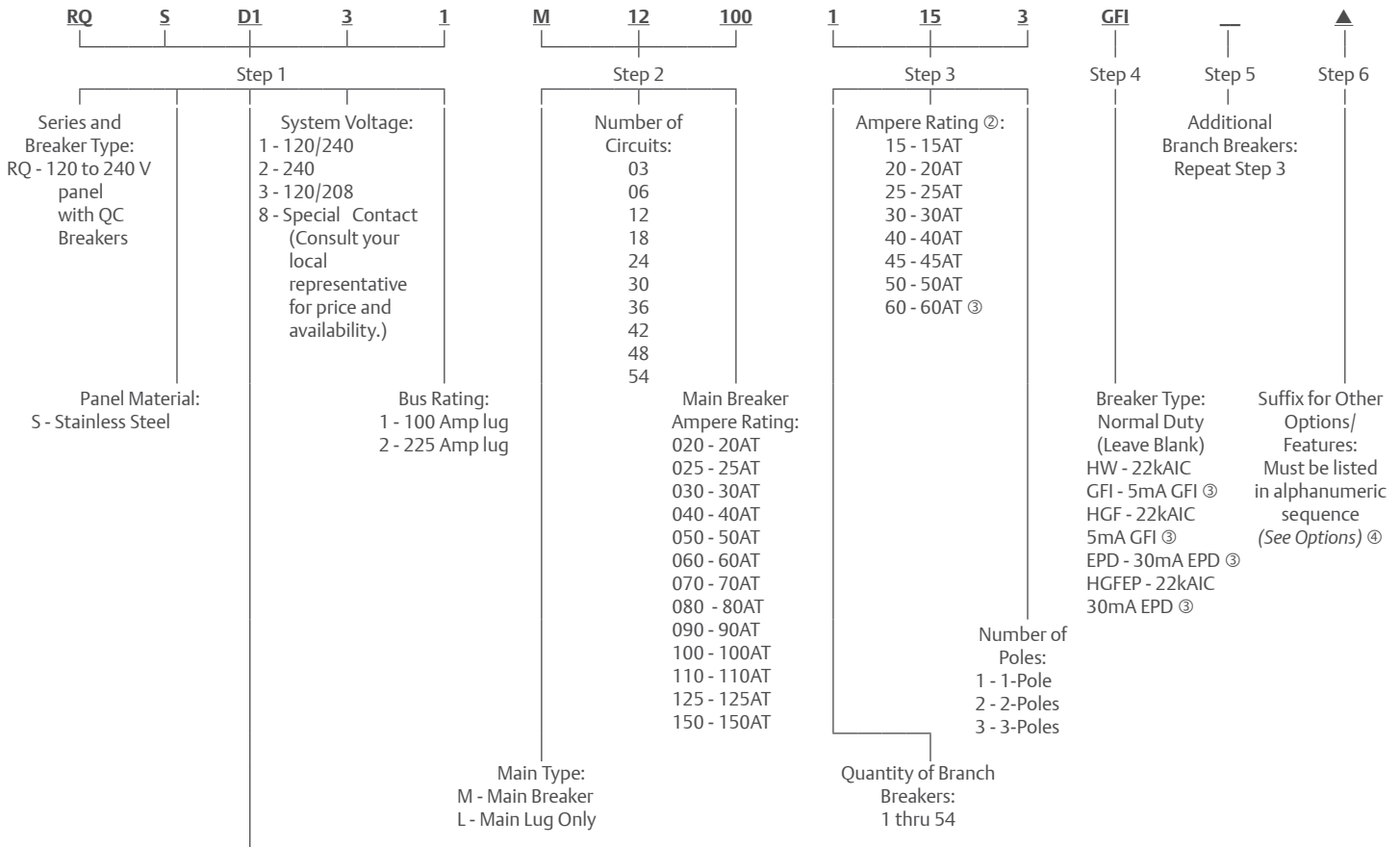
APPLETON

For product information:
www.appletonelec.com
 1.800.621.1506



CONSIDER IT SOLVED™

PLEXPOWER™ FACTORY SEALED LIGHTING PANELBOARD



④ Panel Size: Select A1, B1, C1, D1, J1, F1, L1 or H1 stainless steel enclosure based on number of circuits

	A1	B1	C1	D1	J1	F1	L1	H1
	370x370x250	370x560x250	560x560x250	750x560x250	875x560x250	1130x560x250	1260x560x250	1500x560x250
Main Lugs Only	3	6	12	18	24	30, 36	42	48, 54
With Main Breaker	—	—	6	12	18	24, 30	36	42, 48

Please note the following:

- Number of circuits shown are non GFI and non EPD breakers.
- GFI and EPD breakers number of circuits are determined as total number of circuits divided by 2. Each module will accommodate only 2 GFI or EPD maximum.
 Example: For 12 Circuits, no of modules = 12/2=6.

For -40°C RQ Panel Sizes: Select A1, B1, C1, D1, J1, F1, L1 or H1 stainless steel enclosure based on number of circuits

	A1	B1	C1	D1	J1	F1	L1	H1
	370x370x250	370x560x250	560x560x250	750x560x250	875x560x250	1130x560x250	1260x560x250	1500x560x250
Main Lugs								
Standard Top In - Bottom Out	3	—	6	12	18	24	30	36, 42
Inverted Bottom In - Bottom Out	3	—	6	12	18	24, 30	36	42, 48
Main Breaker								
Standard Top In - Bottom Out	—	—	—	6	12	18	24	30, 36
Inverted Bottom In - Bottom Out	—	—	6	12	18	24, 30	36	42, 48

- ① Only 2 per 3 circuits. Only Single pole GFI/EPD available.
- ② 40A is the maximum amperage for 2 or 3 pole branch breaker.
- ③ Only one 60A branch breaker is allowed per panel.
- ④ If using suffix **-HTR40** or **-HTRF40**, please use table 2.