

Quik-Spec Coordination Panelboard



Panel questions

1. Can the Quik-Spec Coordination Panelboard (QSCP) be installed to meet the mandatory NEC® Selective Coordination requirements?

Typically, there will be feeder and main fuses upstream of a QSCP. As such, the entire circuit path needs to be selectively coordinated. Thus, the Quik-Spec Coordination Panelboard by itself is not the full solution. However, the QSCP is easy to selectively coordinate in an all-fused system or with upstream Eaton circuit breakers using published tables.

2. Can I specify Class CC fuses in the branch?

No, only the Class CF CUBEFuse with Class J performance is used for branch fusing in this panelboard. This allows the amp rating rejection feature to be implemented at key breaks of 15A, 20A, 30A, 40A, 50A, 60A, 70A, 90A & 100A. Also, using a Class CC fuse would limit the circuit to 30 amps. With the CUBEFuse, we can go up to 100A. For most motor branch circuit applications, the CUBEFuse offers superior time-delay compared to the Class CC fuses and therefore can be sized closer than the Class CC fuses. This may permit a lower rated CCPB and fuse amp rating as well as provide better short-circuit protection.

3. Do I have to specify/populate all the branch circuit positions?

No, whether ordering an 18, 30 or 42 position panelboard, after specifying the number of positions to be filled on the chassis, the balance will be left as open-space options for adding more CCPBs later. If "spaces" are selected, the metal knockouts for those branch positions are left in place. Should a branch position be eliminated or moved, a metal cover is available to fill the void left by the removed CCPB branch device.

4. Can the bus be extended in the field to allow additional branch positions?

No, the total number of branch circuits must be decided at time of ordering. If more branch circuits are needed, feed-through-lugs can be specified (or added in the field) to allow feeding conductors to another panelboard.

5. Can feed-through lugs be added in the field?

Yes, the bus bars on all panelboards are able to accept the addition of feed-through lugs. Service kits are available from Bussmann.

6. Can a chassis be swapped in the field?

A chassis of similar size can be swapped out in the field. A chassis of larger size cannot be retrofitted into a can of a smaller chassis.

7. Can I install a circuit breaker in a branch circuit position?

No, only the CCPB branch device can be used in this panelboard. Rejection features in the design do not allow installing circuit breakers.

8. Is a 200% neutral an option?

Yes, a 200% neutral can be specified for nonlinear load applications.

9. Is a Surge Protection Device an option?

Yes, a surge protection device can be applied on panels up to 480Vac. When including a surge protection device a load side disconnect can not be included. For further details on the surge protective device option, see the Quik-Spec Coordination Panelboard Data Sheet No.1160.

10. Is the main disconnect field replaceable?

Yes, main disconnects can be replaced in an installation and are stocked by Bussmann. You cannot replace a fused disconnect with a non-fused disconnect or vice-versa.

11. Can you change a panelboard in the field from an MLO to a main disconnect and vice-versa?

No.

12. Is the panel rated for service entrance?

Yes, when properly specified, configured and sold in the United States, our UL file lists the Quik-Spec Coordination Panelboard as being rated for service entrance.

13. Are both flush and surface mount panelboards available?

Either flush or surface mount can be specified on a NEMA 1 panelboard. Whether a panelboard is flush or surface mount is defined by the door. The enclosures, chassis and other components remain the same. The NEMA 3R enclosure is surface mount only.

14. Can a panelboard be converted from door-in-door option to a standard door in the field?

Yes, the doors can be changed in the field.

15. Can a NEMA1 enclosure originally configured as a top feed be altered for a bottom feed?

Yes, the panel chassis can be mounted in either direction. Please contact your local Bussmann representative for new labels as needed.

16. Can a panelboard be converted between flush and surface mount in the field?

Yes, service kits are available to allow a field change from flush to surface mount and vice-versa. However, if changing from surface to flush mounting, attention must be given to finished wall thickness when mounting the enclosure.

17. Will the Quik-Spec Coordination Panelboard be supplied with the fuses installed?

- Branch Circuits: The CUBEFuse branch circuit fuses will not be installed, but will be shipped with the chassis for installation at the jobsite. Fuses have to be removed to wire each CCPB branch device. There is no time savings if they are preinstalled.

- Fused Main Disconnect: 100A, 200A, and 400A fused main disconnects will have fuses installed prior to shipment, saving installation time. The fuses are installed under Busmann controlled and monitored conditions, and packed to meet ISTA (International Safe Transit Association) shipping standards. CUBEFuses on the CCP fused main disconnect will not be installed, and will ship with the chassis for installation at the jobsite.

18. How many branch circuit spare fuses are included with the panel?

As a part of the total configured price, 10% or a minimum of three extra spare fuses are specified at time of order and included with the shipment. This aligns with bid requirements for providing spares. For example: 3 spares for an 18-position, 3 for a 30-position and 4 for a 42-position panelboard. The spare fuse holder has capacity for six spare branch circuit fuses. Additional spare fuses can be specified when ordering the panel. Emergency fuse orders can be placed through Customer Satisfaction.

Device questions

19. How does the CCPB handle an overcurrent? Does the CCPB trip from the overcurrent? How does the CCPB replace the two devices used in traditional fused/circuit breaker panelboards?

The CCPB branch device (fuse holder and switch) and CUBEFuse work independently to disconnect the circuit and interrupt an overcurrent event. The CCPB is a manual disconnect switch (UL 98) that does not trip during an overcurrent event. In addition to being a disconnect, the CCPB has an indication light to signal an open fuse. (Note: Illumination requires the panelboard bus be energized, the circuit closed and a minimum of 90Vac.) The Class CF CUBEFuse with Class J performance is a fuse that interrupts the overcurrent event or short-circuit event. Although they work independently, they are interlocked to ensure an extra degree of safety. The CCPB branch device must be turned OFF before the CUBEFuse can be removed. The traditional fused/circuit breaker panelboards, with a combination fuse holder and circuit breaker in each branch are not interlocked and permit removing the fuse while energized.

20. How does the CCPB branch device prevent overfusing?

The CCPB branch device and Class CF CUBEFuse with Class J performance fuses are designed with ampacity rejection features implemented at the key breaks of 15A, 20A, 30A, 40A, 50A, 60A, 70A, 90A & 100A. These match the key standard fuse sizes and 75°C copper conductor ampacities. This ensures proper circuit protection at these ampacity breaks. For example, the CCPB_40CF will accept up to a 40 amp CUBEFuse (TCF40RN), but not a 50A or 60A CUBEFuse.

21. Can the CCPB branch device switch be locked in the ON or OFF positions?

Yes, however, the hardware items are different for each:

- Lockout/Tagout requires using a 4mm shank lock or standard lock with a "pin-out" device. Busmann recommends the Brady pin-out wide device P/N 90850 available through the manufacturer or distributor.
- Lock-On (for emergency circuits) requires 1/16" safety wire braid.
- Another option is a 3M PanelSafe Lockout System available through Busmann as a kit or 3M.

22. If a CUBEFuse opens, and the CCPB is turned to the "OFF" position, will the indication light still be visible?

The CCPB branch device indication light will turn off when the switch is turned OFF. If a contactor or starter downstream drops out on loss-of-power, the CCPB indicating light will also turn off. If an indicating CUBEFuse is used, it will still indicate when the CCPB branch device is turned OFF.

23. Can the CUBEFuse branch fuse be removed under load?

No, the CCPB branch device and CUBEFuse are interlocked to ensure an extra degree of safety. The CCPB branch device switch must be turned OFF to remove or install the CUBEFuse.

Service/support questions

24. Will cans be shipped in advance? Is there an additional fee for this option?

Yes, cans will go out within one week of order receipt. The door will ship with the chassis in a following shipment. If the cans and chassis need to be shipped together please specify at the time of order.

25. How are replacement CUBEFuse fuses obtained?

Replacement CUBEFuse fuses are available through any Busmann distributor. Emergency orders can be placed directly with Busmann through Customer Satisfaction.

26. How are replacement CCPB branch devices obtained?

Replacement Compact Circuit Protectors Bases (CCPBs) are available through any Busmann distributor. Emergency orders can be placed directly with Busmann through Customer Satisfaction.

27. What type of standard and extended warranty is available with this panelboard? What are the terms and prices?

Busmann warrants to each original buyer of products manufactured by Busmann that such products are, at the time of delivery to the buyer, free of material and workmanship defects for a period of 18 months from the date of shipment, or 12 months from the date of first use, whichever occurs first. The extended warranty of 24, 30 or 36 months, must be purchased in advance of product shipment, and it should be included in the purchase order placed for items to be warranted.

28. Will standard Coordination Panelboards be stocked at Bussmann or at local distributors?

No, all base components (cans, doors, chassis, CCPB branch devices, CUBEFuse fuses, etc.) will be stocked by Bussmann. This allows replacement components to be shipped out next day in service kits, and one week deliveries on enclosures.

29. What are the lead times for cans, chassis and complete panelboards?

Enclosures are available for advanced shipment within one week from order receipt. Chassis and completed panelboards ship within four weeks of order receipt. A Quik-Ship option is available for shipment of the entire unit in ten business days.

Application/standards questions

30. What is the Short-Circuit Current Rating (SCCR) of the Coordination Panelboard?

Depending on the configuration that's ordered, the panelboard's SCCR will be 20kA (DC only), 50kA, 100kA or 200kA. This is a fusible solution (no series ratings permitted). The panelboard's SCCR rating must be equal to or greater than the available fault current where it is installed.

31. Is the Quik-Spec Coordination Panelboard certified for installation in areas subject to seismic rating requirements?

Yes, this panelboard has Uniform Building Code (U.B.C.) and California Building Code (C.B.C.) Seismic Qualifications and is approved by the International Building code (I.B.C.).

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