BE SWITCHCRAFT

Verification methods according to AS/NZS 61439.1:2016

ITEM NO. 7 – INTERNAL ELECTRICAL CIRCUITS & CONNECTIONS

In accordance with AS/NZS 61439.1:2016, Clauses 10.7 & 8.6

BE Switchcraft comply with the design requirements of 8.6 for internal electrical circuits and connections which is confirmed by our routine inspections.

8.6.1 Main Circuits: The busbars (bare or insulated) shall be arranged in such a manner that internal short-circuit is not to be expected.

8.6.2 Auxiliary Circuits: In general, auxiliary circuits shall be protected against the effects of short circuits.

8.6.3 Bare and Insulated Conductors: Conductors shall have a minimum cross-section following the rules of 10.10.3 (Temperature rise verification by derivation) and IEC 60364-5-52.

8.6.4 Selection and installation of non-protected live conductors to reduce the possibility of short-circuits: Live conductors in an ASSEMBLY that are not protected by short-circuit protective devices shall be selected and installed throughout the entire ASSEMBLY in such a manner that an internal short-circuit between phases is a remote possibility.

8.6.5 Identification of the conductors of main and auxiliary circuits: BE Switchcraft, identifies conductors on the terminals to which they are connected or on the end(s) of the conductors themselves, in compliance with wiring diagrams and drawings.

8.6.6 Identification of the protective conductor (PE, PEN) and of the neutral conductor (N) of the main circuits: Any neutral conductor of the main circuit is distinguished by black colour and label.

BE SWITCHCRAFT

BE Switchcraft switchboards can be found throughout Australia, from Parliament House in Canberra through to major hospitals, commercial buildings and sporting stadiums across the country. For over 5 decades we have built a reputation on trust, integrity, innovation and delivering on our commitments. Leading electrical contractors and engineers choose BE Switchcraft because of our ability to deliver a wide range of products and services that are renowned for their design, build quality and outstanding long-term support.

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