

Verification methods according to AS/NZS 61439.1:2016

ITEM NO.12 – ELECTROMAGNETIC COMPATIBILITY (EMC)

In accordance with AS/NZS 61439.1:2016, Clauses 10.12, J.9.4 & J.10.12

According to J.9.4 for the majority of ASSEMBLIES applications falling within the scope of this standard, two sets of environmental conditions are considered and are referred to as:

1) Environment A and 2) Environment B.

Both environments are covered by the generic EMC standards IEC 61000-6-1 and IEC 61000-3.

Environment A:

The environments encompassed are industrial, both indoor and outdoor.

As examples: Industrial, scientific and medical (ISM) apparatus; heavy inductive or capacitive loads are frequently switched; currents and associated magnetic fields are high.

Environment B:

The environments encompassed are residential, commercial and light-industrial locations, both indoor and outdoor. Locations which are characterised by being supplied directly at low voltage from the public mains network are considered to be residential, commercial or light-industrial.

As examples: Residential properties, houses, apartments, retail outlets, shops, supermarkets, business premises, offices, banks, areas of public entertainment, light-industrial locations.



BE Switchcraft builds switchboards suitable for environmental conditions B, which no EMC immunity or emission test are required on final ASSEMBLIES. In all other cases or if environment conditions change, the EMC requirements are to be verified by test as per J.10.12.