

LOW-VOLTAGE SWITCHGEAR AND CONTROLGEAR –

Part 6-2: Multiple function equipment – Control and protective switching devices (or equipment) (CPS)

1 Scope and object

This section of IEC 60947-6 applies to control and protective switching devices (or equipment) (CPS), the main contacts of which are intended to be connected to circuits of rated voltage not exceeding 1 000 V a.c. or 1 500 V d.c.


CPSs are intended to provide both protective and control functions for circuits and are operated otherwise than by hand. They may also fulfill additional functions, such as isolation.

The object of this section is to state:

- The characteristics of CPS's;
- The conditions with which CPS's shall comply with reference to their operation and behaviour, their dielectric properties, the degree of protection provided by their enclosure where applicable;
- The tests intended to verify that these conditions have been met, and the methods to be adopted for these tests;
- The information to be marked on or given with the CPS's.

6.2 Marking

Sub-clause 5.2 of Part 1 applies with the following additions related to 6.1.1 and 6.1.2 above:

- Data a and b and relevant operational data under d, e, and f.
- Data a and b shall be marked on the CPS and preferably on the nameplate if any
- Data under c and n shall be preferably marked on the CPS
- Data under h and t and relevant operational data under d, e and f shall be marked on the CPS
- Data under r shall be marked on the relay or release
- Data under u shall be marked on the CPS, the global symbol being: 
- Any remaining data shall be marked on the CPS, or included in the manufacturer's published literature.
- Terminals shall be marked so as to clearly identify line and load terminals (see 8.1.7.4).