

Request of JNC (draft)

Concerning S01836 in C00132

2007/4/11

the Japan mirror committee to IEC/TC3

S01836(Hot-line terminal) was proposed in C00132, but it is still under preparation because of a poor explanation.

Now we have prepared an explanation for it and revised the symbol design to avoid confusion coming from its symbol shape.

1 explanation of the concept of the symbol

The hot-line terminal is used to connect or disconnect a power line and a device(s). It has the structure that has the function to be attached/ detached, to/ from, a power line by tightening/ loosening the nut of a terminal with a box-wrench which is attached to the tip of an insulation stick to be operated from the ground. (As an example, see the attached photograph and the drawing)

2 design change

The symbol design has been changed from the original because of the following reason.

The original symbol consisted of a black painted circle and a triangle which were used together (not separately), because the concept is only a terminal but not a connector which is a combination of plug and socket.

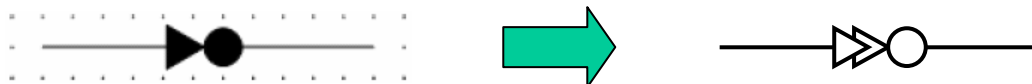
However, some users might misunderstand that the triangle and the circle might indicate each individual device.

To avoid this, either triangle or circle should be defined as a device and the other be defined as a qualifier.

For this reason, we have decided that the triangle should be changed to a qualifier which means "suitable for live working" and that the circle should be changed to a terminal device symbol.

IEC 60417-5216 double triangle, which fortunately is close to the original proposal not only with regard to the concept but also to its shape, can be used as the qualifier. Also S00017 is suitable as the terminal device.

Therefore the design was changed as in the following figure.



Please confirm the attached (draft) request form of the revised proposal and inform us any comments.

Note: The double triangle may be applied to the contact(s) of a plug and/ or socket of connectors which have a live working function which is also called as "hot-line connection/ disconnection", "hot swappable", "hot plugged", "hot connectable/ disconnectable" and etc.

Recently there exist some hot swappable components for example compact PCI or USB but the symbols of hot swappable connectors seem not to exist.