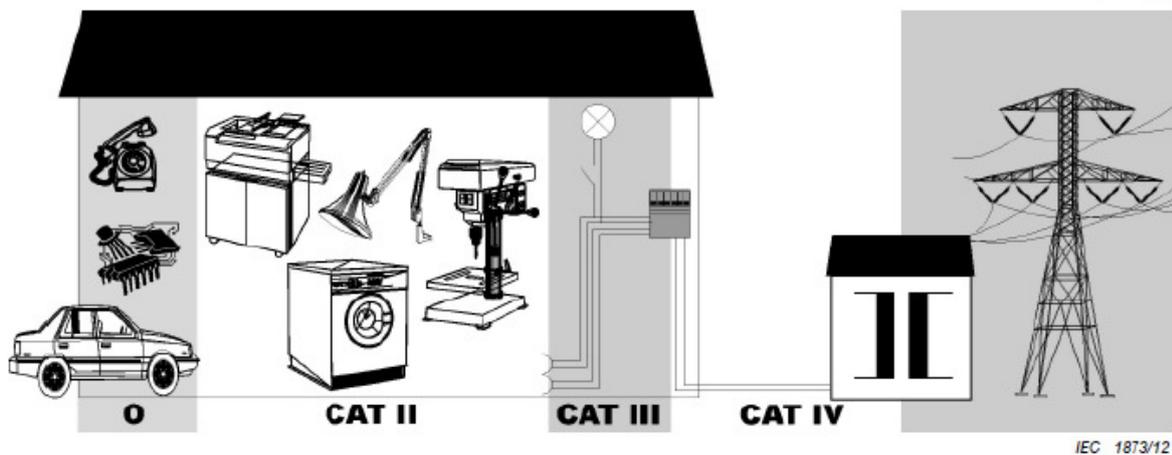


Whitepaper Measurements Category

Determining the short-circuit power of an electrical installation can be difficult. To gain a clear understanding of the necessary short-circuit resistance and components in a certain installation, measurement categories are defined.

The measurement categories divide the electrical installation in the categories CAT II through CAT IV. CAT IV requires the highest level of short-circuit resistance. The image below shows the different categories in the electrical installation.



CAT I	Indirect connection to mains (via an adapter etc).
CAT II	< 10 kA, devices connected to standard power sockets
CAT III	< 50 kA, components of the electrical installation in a building.
CAT IV	> 50 kA, power supply for the main electrical installation of a building

Table 1: Overview Measurements Category (IEC 61010-1)

Please feel free to call ELEQ at +31 (0)521 533 333 for more information or send an email to info@eleq.com

For more information on short-circuit power, please refer to the 'Short-circuit power and short-circuit resistance' white paper.