

Supplement to the ACS 400 User's Manual

The following section titled "Line Current Harmonics" is an addition to Appendix C: EMC Instructions of the ACS 400 User's Manual (3AFY 64036947 rev C) dated 5.12.2001. The same applies to all language versions. The change is in effect as of 1.1.2002.

Line Current Harmonics

The standard EN 61800-3 refers to EN 61000-3-2 which specifies limits for harmonic current emissions for equipment intended to be connected to public low-voltage distribution systems.

Low-Voltage Public Supply Network

The limits and requirements of the EN 61000-3-2 apply for equipment with rated current $\leq 16A$. The ACS 400 is a professional equipment to be used in trades, professions or industries and which is not intended for sale to the general public. Therefore the ACS 400 with a total rated power greater than 1kW conforms with EN 61000-3-2.

Industrial Networks

If ACS 400 is used in an industrial installation for which the EN 61000-3-2 is not relevant, a reasonable economical approach which considers the total installation shall be used.

Typically a single low power equipment like ACS 400 does not cause a significant voltage distortion to network. However, the user shall be aware of the values of the harmonics currents and voltages occurring within the power supply system before connecting the ACS 400, as well as the internal impedance of the supply system. The current harmonic levels of the ACS 400 under rated load conditions are available on request and the assessment procedure given in appendix B of the EN 61800-3 may be used as a guide.

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