

INTERNATIONAL ELECTROTECHNICAL COMMISSION

COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

IEC 61800-3
Edition 4.0 2022-11

Adjustable speed electrical power drive systems –
Part 3: EMC requirements and specific test methods for PDS and machine tools

IEC 61800-3
Édition 4.0 2022-11

Entraînements électriques de puissance à vitesse variable –
Partie 3: Exigences de CEM et méthodes d'essai spécifiques pour les PDS et machines-outils

CORRIGENDUM 1

Corrections to the French version appear after the English text.

Les corrections à la version française sont données après le texte anglais.

Table 11 – Minimum immunity requirements for EUTs intended for use in a residential, commercial or light industrial location

Replace, on the first line "Enclosure port", under "Level", footnote letter "g" with "h".

Replace, in footnote to table ^g, the existing text with the following new text:

^g Applicable only to ports with cables whose total length, according to the instructions for use, is permitted to exceed 30 m. For justification, see A.3.2.2. In the case of a shielded cable, a direct coupling to the shield is applied. This immunity requirement does not apply to fieldbus or other signal interfaces where the use of surge protection devices is not practical for technical reasons. The test is not required where normal functioning cannot be achieved because of the impact of the coupling/decoupling network on the equipment under test (EUT).

Add the following new footnote to table ^h:

^h See the basic standard for applicability of contact and/or air discharge test, and for applicability of horizontal coupling planes (HCP) and vertical coupling planes (VCP).

Replace the last three lines under "Ports for process measurement control lines and wired network ports" and "Auxiliary DC power ports below 60 V" with the following new lines, ensuring the three tests remain together as they are for both types of port.

Ports for process measurement control lines and wired network ports	Fast transient-burst ^f	IEC 61000-4-4	0,5 kV 5 kHz or 100 kHz ^b Capacitive clamp	B
	Surge ^g 1,2/50 µs, 8/20 µs	IEC 61000-4-5	1 kV ^e	B
	Conducted radio-frequency common mode ^f	IEC 61000-4-6	0,15 MHz to 80 MHz 3 V 80 % AM (1 kHz)	A