

TECHNICAL INFORMATION

F.1

DIN EN 60664-1 (VDE 0110-1), Table F.1 (excerpt)

Rated impulse voltages for electrical equipments, which are energised directly by a low-voltage system

Nominal voltage of the supply system ¹⁾ based on IEC 60038 ³⁾		Rated impulse voltage ²⁾			
		Overvoltage category ⁴⁾			
Three phase V	Single phase V	I V	II V	III V	IV V
	120-240	800	1 500	2 500	4 000
230/400 277/480		1 500	2 500	4 000	6 000
400/690		2 500	4 000	6 000	8 000
1 000		4 000	6 000	8 000	12 000

¹⁾ See Annex B for application to existing different low-voltage mains and their nominal voltages.

²⁾ Equipment with these rated impulse voltages can be used in installations in accordance with IEC 60364-4-44.

³⁾ The / mark indicates a four-wire three-phase distribution system. The lower value is the voltage line-to-neutral, while the higher value is the voltage line-to-line. Where only one value is indicated, it refers to three-wire, three-phase systems and specifies the value line-to-line.

⁴⁾ See 4.3.3.2.2 for an explanation of the overvoltage categories.