

Standards met by ADC products

Generic route (Existing product ranges or those designed before May 2000)

EMC directive

		Standard title	Standard number
EMC Directive	Emissions	Radiated rf emissions	EN 61000-6-4, Generic standard <i>(Replaces EN50081-2)</i>
		Conducted rf emissions	EN 61000-6-4 (Replaces EN50081-2), and EN55011class A
		Harmonic emissions	EN61000-3-2
		Fluctuations and flicker emissions	EN61000-3-3
	Immunity	Generic immunity	EN 61000-6-2 (Replaces EN50082-2)
		Electrostatic discharge immunity	EN 61000-4-2
		Radiated rf immunity	EN 61000-4-3
		Dips and fluctuations	EN 61000-4-11
		Burst transients immunity	EN 61000-4-4
Low voltage directive		Safety requirements for electrical equipment for measurement, control, and laboratory use	EN 61010-1

EN 61131-2 route (products designed after May 2000)

About EN 61131-2

- EN 61131-2 is a product specific standard for PLCs
- It encompasses safety aspects aswell as EMC immunity aspects
- It does not include specifics regarding EMC emissions
- Therefore generic standards are used to satisfy the requirements of the EMC directive with regard to EMC emissions.

		Standard title	Standard number
EMC Directive	Emissions	Radiated rf emissions	EN 61000-6-4 (Replaces EN50081-2) and EN55011class A
		Conducted rf emissions	EN 61000-6-4 (Replaces EN50081-2) and EN55011class A
		Harmonic emissions	EN61000-3-2
		Fluctuations and flicker emissions	EN61000-3-3
	Immunity	Electrostatic discharge immunity	EN 61131-2
		Radiated rf immunity	EN 61131-2
		Dips and fluctuations	EN 61131-2
		Burst transients immunity	EN 61131-2
		Damped oscillatory noise	EN 61131-2
Low voltage directive		Programmable controllers - Part 2: Equipment requirements and tests	EN 61131-1

Power supplies

		<i>Standard title</i>	<i>Standard number</i>
EMC Directive	Emissions	Low voltage power supplies, d.c. output Limits for harmonic current emissions (equipment input current less than 16A per phase) Limitation of voltage fluctuations and flicker in low voltage supply systems for equipment of rated current less than 16A	EN 61204-3 EN 61000-3-2 EN 61000-3-3
	Immunity	Low voltage power supplies, d.c. output. Immunity requirements include: Burst transients, ESD, rf field, conducted rf, surges, voltage dips, voltage interruptions,	EN 61204-3
Low voltage directive		Safety requirements for electrical equipment for measurement, control, and laboratory use	EN 61010-1