

EMISSIONS EN61326-1:2006 - EN55011:2007- Group 1				
	Port	Frequency Range	Limits	Basic Standard
Radiated Emissions	Enclosure	30 MHz— 230 MHz 230 MHz— 1 GHz	30 / 40 dBuV/m (10m Measurement distance Class B / Class A) 37 / 47 dBuV/m	CISPR11 Clause 4
Conducted Emissions	AC Mains Power Ports	0.15 MHz— 0.5 MHz 0.5 MHz— 5 MHz 5 MHz— 30 MHz	66 - 56 dBuV QP / 56 - 46 dBuV Average 79 dBuV QP / 66 dBuV Average 56 dBuV QP / 46 dBuV Average 73 dBuV QP / 60 dBuV Average 60 dBuV QP / 50 dBuV Average 73 dBuV QP / 60 dBuV Average	
Mains Harmonics		0 - 2 kHz	EN61000-3-2	
Flicker			EN61000-3-3	
Inrush Current			EN61000-3-3	

EN61326-1:2006 BASIC IMMUNITY REQUIREMENTS					
Item	Port	Phenomenon	Basic Standard	Test Value	
1	Enclosure	Electrostatic discharge (ESD) EM Radiated Field	EN61000-4-2 EN61000-4-3	4 kV / 4 kV contact / air 80 MHz - 1 GHz 3 V/m 1.4 - 2.0 GHz 3V/m 2.0 - 2.7 GHz 1V/m	B A
2	AC Power (Including protective Earth)	Fast Transient Burst Surge Conducted RF Voltage Dips Voltage Interruptions	EN61000-4-4 EN61000-4-5 EN61000-4-6 EN61000-4-11 EN61000-4-11	1.0 kV 1.0 kV Line to Earth 0.5 kV Line to Line 3 V rms 1 kHz 80% AM modulation 30% for 500 ms, 100% for 10 ms 100% for 20 ms 100% for 5 s	B B B A B C C
3	DC Power (Including protective Earth)	Fast Transient Burst Surge Conducted RF	EN61000-4-4 EN61000-4-5 EN61000-4-6	1.0kV (ports > 3m) 1.0 kV Line to Earth (ports > 3m) 0.5 kV Line to Line (ports > 3m) 3 V rms 1 kHz 80% AM modulation	B B B A
4	I/O Signal / Control (Including lines connected to functional Earth port)	Fast Transient Burst Surge Conducted RF	EN61000-4-4 EN61000-4-5 EN61000-4-6	0.5 kV (ports > 3m) 1.0 kV Line to Earth (ports > 30m) 3 V rms 1 kHz 80% AM modulation (ports > 3m)	B B A
5	I/O Signal / Control Connected directly to mains supply	Fast Transient Burst Surge Conducted RF	EN61000-4-4 EN61000-4-5 EN61000-4-6	1.0 kV 01.0 kV Line to Earth 0.5 kV Line to Line 3 V rms 1 kHz 80% AM modulation	B B B A
Note					

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Conducted Emissions	AC Mains Power Ports	0.15 MHz— 0.5 MHz 0.5 MHz— 5 MHz 5 MHz— 30 MHz	66 - 56 dBuV QP / 56 - 46 dBuV Average 79 dBuV QP / 66 dBuV Average 56 dBuV QP / 46 dBuV Average 73 dBuV QP / 60 dBuV Average 60 dBuV QP / 50 dBuV Average 73 dBuV QP / 60 dBuV Average	
Mains Harmonics		0 - 2 kHz	EN61000-3-2	
Flicker			EN61000-3-3	
Inrush Current			EN61000-3-3	

EN61326-1:2006 INDUSTRIAL IMMUNITY REQUIREMENTS					
Item	Port	Phenomenon	Basic Standard	Test Value	
1	Enclosure	Electrostatic discharge (ESD) EM Radiated Field Radiated power frequency magnetic field	EN61000-4-2 EN61000-4-3 EN61000-4-8	4 kV / 8 kV contact / air 80 MHz - 1 GHz 10V/m 1.4 - 2.0 GHz 3V/m 2.0 - 2.7 GHz 1V/m 30 A/m	B A A
2	AC Power (Including protective Earth)	Fast Transient Burst Surge Conducted RF Voltage Dips Voltage Interruptions	EN61000-4-4 EN61000-4-5 EN61000-4-6 EN61000-4-11 EN61000-4-11	2.0 kV 2.0 kV Line to Earth 1.0 kV Line to Line 3 V rms 1 kHz 80% AM modulation 30% for 500 ms, 60% for 200 ms 100% for 20 ms 100% for 5 s	B B B A C B C
3	DC Power (Including protective Earth)	Fast Transient Burst Surge Conducted RF	EN61000-4-4 EN61000-4-5 EN61000-4-6	2.0kV 2.0 kV Line to Earth 1.0 kV Line to Line 3 V rms 1 kHz 80% AM modulation	B B B A
4	I/O Signal / Control (Including lines connected to functional Earth port)	Fast Transient Burst Surge Conducted RF	EN61000-4-4 EN61000-4-5 EN61000-4-6	1.0 kV (ports > 3m) 1.0 kV Line to Earth (ports > 30m) 3 V rms 1 kHz 80% AM modulation (ports > 3m)	B B A
5	I/O Signal / Control Connected directly to power supply network	Fast Transient Burst Surge Conducted RF	EN61000-4-4 EN61000-4-5 EN61000-4-6	2.0 kV 0.1 kV Line to Earth 0.5 kV Line to Line 3 V rms 1 kHz 80% AM modulation	B B B A
Note					