

GENERIC EMISSIONS AND IMMUNITY LIGHT INDUSTRIAL EN61000-6-3:2001 / 2007 & EN61000-6-1:2001 / 2007

EMISSIONS EN61000-6-3 : 2001 / 2007				
	Port	Frequency Range	Limits	Basic Standard
Radiated Emissions	Enclosure	30 MHz— 230 MHz 230 MHz— 1 GHz	30 dBuV/m (10m Measurement distance) 37 dBuV/m	CISPR 22 Note: for products with clk > 9kHz
Conducted Emissions	Signal ,Control, DC power ports	0.15 MHz - 0.5 MHz 0.5 MHz - 30 MHz	40 - 30 dBuA QP 30 - 20 dBuA Av 30 dBuA QP 20 dBuA Av	
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 56 dBuV QP / 46 dBuV Average 60 dBuV QP / 50 dBuV Average	
Mains Harmonics		0 - 2 kHz	EN61000-3-2	
Flicker			EN61000-3-3	
Inrush Current			EN61000-3-3	

IMMUNITY EN61000-6-1 : 2001 / 2007						
Item	Port	Phenomenon	Basic Standard	Test Value	Notes	
1	Enclosure	Electrostatic discharge (ESD) EM Radiated Field Magnetic Field	EN61000-4-2 EN61000-4-3 EN61000-4-11	4 kV / 8 kV contact / air 3 / 10 V/m (80 MHz—1 GHz 1 KHz AM) 3 A/m		
2	AC Power	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 2.0 kV Line to Earth (5 SURGES X 3) 1.0 kV Line to Line 3 V rms 1 kHz 80% AM modulation 30% for 10 ms, 60% for 100 ms >95% for 5 s		
3	DC Power	Fast Transient Burst Surge Conducted RF	EN61000-4-4 EN61000-4-5 EN61000-4-6	0.5 kV (ports > 10m) 0.5 kV Line to Earth (ports > 10m) 0.5 kV Line to Line (ports > 10m) 3 V rms 1 kHz 80% AM modulation		
4	I/O Signal / Control	Fast Transient Burst Surge Conducted RF	EN61000-4-4 EN61000-4-5 EN61000-4-6	0.5 kV (ports > 3m) NOT APPLICABLE 3 V rms 1 kHz 80% AM modulation		
5	Functional Earth Ports	Fast Transient Burst Conducted RF	EN61000-4-4 EN61000-4-6	0.5 kV (ports > 3m) 3 V rms 1 kHz 80% AM modulation		
Note:						