OP4510 V2 Certification and Standards

This product meets the essential requirements of applicable European Directives as follows:

The essential requirements of the directive 2014/30/EU are covered by the following harmonized standards:
EN61326-1 (2013) – Electrical equipment for measurement, control and laboratory use. The immunity test requirements used for this Product qualification are for the equipment intended to be used in an ***industrial*** electromagnetic environment.

Certifying body	Standard number	Standard Name	Specifications	Minimum performance requirement criteria
	FCC part 15 (2018), subpart B	Conducted Emissions	Class A 150kHz-30MHz	
	FCC part 15 (2018), subpart B	Radiated Emissions	Class A 30MHz-18GHz	
	ICES-003 (2016)	Radiated Emissions	Class B 30MHz-18GHz	
	ICES-003 (2016)	Conducted Emissions	Class A 150kHz-30MHz	
	IEC61000-4-2 (2008)	Electrostatic Discharge Immunity	Contact: ±4kV Air: ±8kV	B
	IEC61000-4-3 (2006) A1 (2007) A2 (2010)	Radiated Electromagnetic Field Immunity	80MHz-1000MHz: 10V/m 1.4GHz-2GHz: 3V/m 2GHz-2.7GHz: 1V/m	
	IEC61000-4-4 (2012)	Electrical Fast Transient Immunity	Power: ±2kV / 5kHz I/O Ports: N/A Communication Ports: ±2kV / 5kHz	B
	IEC61000-4-5 (2014)	Surge Immunity	Power: ±2kV L-PE / ±1kV L-L I/O Ports: N/A Communication Ports: N/A	B
	IEC61000-4-6 (2013)	Immunity to Conducted Disturbances, Induced by Radio-Frequency Fields	Power: 3V I/O Ports: N/A Communication Ports: 3V	A
	IEC61000-4-8 (2009)	Power Frequency Magnetic Field Immunity	Continuous Field: 30A/m / 50Hz & 60Hz	A
	IEC61000-4-11 (2004)	Voltage Dips, Short Interruptions and Voltage Variation Immunity on AC Input	Voltage dips: 0%Un during 1 cycle 40%Un during 10 cycles (at 50Hz) 40%Un during 12 cycles (at 60Hz) 70%Un during 25 cycles (at 50Hz) 70%Un during 30 cycles (at 60Hz) Short interruptions: 0%Un during 250 cycles(at 50Hz) 0%Un during 300 cycles (at 60Hz)	 B C C C C C C
	CISPR11 (2015) A1 (2016)	Conducted Emissions	Group 1 - class A 150kHz-30MHz	
	CISPR11 (2015) A1 (2016)	Radiated Emissions	Group 1 - Class A 30MHz-1GHz	

	IEC61010-1:2010 (Third edition)	Single fault condition Protective Conductor Abnormal Cooling Abnormal Input Durability Of Markings Applied Force Permissible Limits For Accessible Parts Impedance Of Protective Bonding Test Dielectric Voltage Withstand Humidity Conditioning Capacitor Discharge Stability 10 Deg Static Rigidity Impact Drop (Non-Hand Held Equipment) Temperature	4.4.1 4.4.2.3 4.4.2.10 5.1.3 5.3 6.2.2 6.3 6.5.2.4 6.8 6.8.2 6.10.3 7.4a 8.2.1 8.2.2 8.3.1 10.1-10.4	