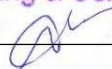


INSTITUTE OF TESTING AND CERTIFICATION (INDIA) PVT. LTD.

Clause	Requirement – Test	Results – Remarks	Verdict
5	Marking and documentation		
5.1	Marking		
5.1.1	General		
	Markings shall be visible from the exterior, or be visible after removing a cover or without the aid of a tool.	Provided	P
5.1.2	Identification		
a)	the name or trade mark of the manufacturer	Provided	P
b)	a model number, name or other means to identify the equipment.	Provided	P
5.1.3	Mains supply		
	The equipment shall be marked with the following information:		
a)	nature of supply		-
1)	a.c.: rated mains frequency or range of frequencies;	Provided	P
2)	d.c.: symbol 1 of table 1;		N/A
b)	the rated value(s) of the supply voltage(s) or the RATED range of supply voltage(s)	Provided	P
c)	The maximum rated power in watts or volt-amperes , or the maximum rated input current.	Provided	P
d)	Equipment which the operator can set for different rated supply voltages shall be provided with means for the indication of the voltage.		N/A
e)	Accessory mains socket-outlets accepting standard mains plugs shall be marked with the voltage if it is different from the mains supply voltage.		N/A


Institute of Testing & Certification
(India) Pvt. Ltd.


Authorised Signatory

Report No.-

Page 3 of 43


INSTITUTE OF TESTING AND CERTIFICATION (INDIA) PVT. LTD.

Clause	Requirement – Test	Results – Remarks	Verdict
	have at least the current rating of the measuring terminals.		
2)	The protective bonding shall not be interrupted by the presence of any switching or interrupting device.	In compliance	P
i)	Functional earth terminals shall allow a connection with is independent form the connection of the protective conductor.		N/A
j)	If the protective conductor terminal is a binding screw, it shall be of a suitable size for the bond wire.		P
k)	The contact pressure required for a bonding connection shall not be capable of being reduced by deformation of materials forming part of the connection.		P
6.5.2.4	Impedance of protective bonding of plug-connected equipment		
	The impedance between the protective conductor terminal and each accessible part for which protective bonding is specified shall not exceed 0.1Ω.		P
	If the equipment has a non-detachable power cord, the impedance between the protective conductor plug pin of the MAINS cord and each accessible part for which protective bonding is specified shall not exceed 0.2Ω.		N/A
6.5.2.5	Impedance of protective bonding of permanently connected equipment		N/A
	Bonding of permanently connected equipment shall be of low impedance.		
	Test current of twice the value of the overcurrent protection means, the voltage between them shall not exceed 10 V a.c. r.m.s. or d.c.		N/A

Institute of Testing & Certification
(India) Pvt. Ltd.

[Signature]
Authorised Signatory

**INSTITUTE OF TESTING AND CERTIFICATION
(INDIA) PVT. LTD.**

	This treatment is need not to be applied to parts that are clearly unlikely to be influenced by humidity and temperature.		N/A
	Preconditioning : Humidity : 93 % RH \pm 3% RH Temperature: 40° C \pm 2° C. Duration: 48 h.		P
6.8.3	Test procedures		
6.8.3.1	The a.c. voltage test		P
		Refer to table C) Tested at 1500 V AC for 1 min	
	The waveform of the power frequency test voltage shall be substantially sinusoidal.		P
	No flashover of CLEARANCES or breakdown of solid insulation shall occur during the test.	No flashover/breakdown observed	P
6.8.3.2	The 1 min d.c. voltage test		
	The d.c. test voltage shall be substantially free of ripple.		N/A
	No flashover of CLEARANCES or breakdown of solid insulation shall occur during the test.	AC voltage operated Equipment	N/A
6.8.3.3	The impulse voltage withstand test		
	The test shall be conducted for five impulses of each polarity with an interval of at least 1 s between impulses. The impulse voltage test is carried out with a 1,2/50 μ s waveform	(Refer to table C)	P
	No flashover of CLEARANCES or breakdown of solid insulation shall occur during the test	No flashover/breakdown observed	P

Institute of Testing & Certification
(India) Pvt. Ltd.

Authorised Signatory

INSTITUTE OF TESTING AND CERTIFICATION (INDIA) PVT. LTD.

Clause	Requirement – Test	Results – Remarks	Verdict
11.6	Specially protected equipment		
	If the equipment is rated and marked by the manufacturer as conforming to one of the stated degrees of protection of IEC 60529, it shall resist the entry of water to the extent specified.		P
11.7	Fluid pressure and leakage		
11.7.1	Maximum pressure		N/A
11.7.2	Leakage and rupture at high pressure		N/A
11.7.3	Leakage from low-pressure parts		N/A
11.7.4	Overpressure safety device		N/A
12	Protection against radiation, including laser sources, and against sonic and ultrasonic pressure		
12.1	General		
12.2	Equipment producing ionizing radiation		N/A
12.2.1	Ionizing radiation		N/A
12.2.2	Accelerated electrons		N/A
12.3	Ultraviolet (UV) radiation		N/A
12.4	Microwave radiation		N/A
12.5	Sonic and ultrasonic pressure		
12.5.1	Sound level		N/A
12.5.2	Ultrasonic pressure		N/A
12.6	Laser sources		N/A
13	Protection against liberated gases, explosion and implosion		
13.1	Poisonous and injurious gases		N/A

Institute of Testing & Certification
(India) Pvt. Ltd.

INSTITUTE OF TESTING AND CERTIFICATION (INDIA) PVT. LTD.

	Equipment shall not liberate dangerous amounts of poisonous or injurious gases or substances in NORMAL CONDITION.		N/A
--	---	--	-----

Table A

6.5.2.4	Impedance of PROTECTIVE BONDING of plug –connected equipment			P
ACCESSIBLE part under test	Test Current (A)	Test current Duration (minute)	Maximum allowed resistance (Ω)	Measured Resistance(Ω)
Between earthing terminal and earthed metal part	25A	1 minute	0.1 Ω	89.2mΩ

Table B

6.7	Insulation Requirement (Creepage and Clearance Distance)			
Pollution degree....	1			
Minimum Required values for Clearance Distance	1.5 mm			
Minimum Required values for Creepage Distance	1.5 mm			
Insulation Type	Basic			
Location	Measured Value (mm)			
	Clearance Distance	Creepage Distance	Verdict	
Mains: L & N	>1.5mm	>1.5mm	P	
Supplementary Information: None				

Table C

6.8.3.1	A.C. Voltage Test			P
	For Basic Insulation			
Test voltage applied between	Voltage	Duration	Flashover/Breakdown (Yes/No)	
Between mains supply and enclosure	1500V	1min.	No	
6.8.3.3	Impulse voltage withstand test			
	V rms.	220		
Test voltage applied between	Voltage	Pulses	Flashover/Breakdown (Yes/No)	
Between mains supply and enclosure	2 500	Five positive & five negative	No	

Institute of Testing & Certification
(India) Pvt. Ltd.

Authorized Signatory