

Particulars: test item vs. test requirements

Equipment mobility	: for building-in
Connection to the mains	: Must be considered in the end system
Operating condition	: continuous
Over voltage category	: Must be considered in the end system
Mains supply tolerance (%)	: +10%, -10%
Tested for IT power systems	: No
IT testing, phase-phase voltage (V)	: -
Class of equipment	: Class I (earthed)
Mass of equipment (kg)	: <18kg
Pollution degree	: PD 2
IP protection class	: IP X0

Possible test case verdicts:

- test case does not apply to the test object: N / A
- test object does meet the requirement: Pass
- test object does not meet the requirement: Fail (acceptable only if a corresponding, less stringent national requirement is "Pass")

General remarks:

- "(see Enclosure #)" refers to additional information appended to the Test Report
- "(see appended table)" refers to a table appended to the Test Report
- Throughout the Test Report a point is used as the decimal separator

CE2.4	Total loading of dual output modules not to exceed 144W and total loading of triple output modules not to exceed 36W. --
CE2.5	Model 73-190-0001i is a sub-assembly of Model iVS3 series. --
CF1.0	Engineering Conditions of Acceptability
CF1.1	For use only in or with complete equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc. When installed in an end-product, consideration must be given to the following:
CF1.2	The following Production-Line tests are conducted for this product: Earthing Continuity, Electric Strength
CF1.3	The end-product Electric Strength Test is to be based upon a maximum working voltage of: Primary-SELV: 459.5 Vrms, 592 Vpk, Primary-Earthed Dead Metal: 441.8 Vrms, 592 Vpk
CF1.5	The following secondary output circuits are SELV: +5Vsb and all outputs from DC-DC modules except from the outputs of DC-DC modules 73-558-0048i, 73-553-0048 (with or without i), 73-552-0048 (with or without i) and 73-551-0048 (with or without i). The said outputs are considered non-SELV and must be considered in the end system.
CF1.6	The following secondary output circuits are at hazardous energy levels: All outputs from DC-DC modules.
CF1.7	The following secondary output circuits are at non-hazardous energy levels: +5Vsb
CF1.11	The power supply terminals and/or connectors are: Not investigated for field wiring
CF1.12	The maximum investigated branch circuit rating is: 100 A
CF1.13	The investigated Pollution Degree is: 2
CF1.15	Proper bonding to the end-product main protective earthing termination is: Required
CF1.16	An investigation of the protective bonding terminals has: Been conducted
CF1.19	The following end-product enclosures are required: Mechanical, Fire, Electrical
CF1.21	The maximum continuous power supply output (Watts) relied on forced air cooling from: two fans provided blowing air towards the components. See critical components list for details. Fan airflow can be reversed at up to 40°C ambient temperature.
CF1.23	The equipment is suitable for direct connection to: AC and/or DC mains supply
CF2.0	This component has been judged on the basis of the required creepages and clearances in the Second Edition of the Standard for Safety of Information Technology Equipment, Sub-clause 2.10, and which covers the end-use product for which the component was designed. The functional insulations among the primary circuits and among secondary circuits have been evaluated by short circuiting the insulation per Sub-clause 5.3.4 (c) of UL 60950-1, Second Edition and CSA C22.2 No. 60950-03.
CF2.1	This power supply has been evaluated for use in Class I equipment as defined in UL 60950-1, Second Edition and CAN/CSA C22.2 No. 60950-1-03, and shall be properly earthed in the end-use. An additional evaluation shall be made if the power supply is intended for use in other than Class I equipment.
CF2.2	Fan airflow direction may be normal (fans blow air towards the components) or reversible (fans blow air away from the components).
CF2.3	Additional UL Recognized fuse, rated 300Vdc suitable for DC application must be provided in the end-system for DC input.

CF2.4	This power supply is classified Level 5 as defined by UL 60950-1, Second Edition and CAN/CSA No. 60950-1-03.
CF2.5	A suitable power supply disconnection means is to be provided by end use equipment.
CF2.6	This power supply was not evaluated for end system mounting. When installed in the end system, the proper evaluation should be considered.
CF2.7	Clearances have additionally been assessed for suitability up to 3048m elevation.
CF2.8	Earthing terminal at the input terminal block is not considered protective earthing terminal but is considered bonding terminal. Power supply chassis is to be reliably bonded to protective earthing in the end-use equipment before energized. See also illustration details.
CF2.9	The following cautionary markings shall be provided in the servicing instructions: Caution: Double Pole / Neutral Fusing.
CF3	The secondary outputs of the DC-DC modules are considered SELV except for the secondary output of +48V DC-DC modules which exceeds 60Vdc and is not suitable for SELV. There is a hazardous energy level that exceeds 240VA at the DC-DC module outputs of the equipment.
CF3.1	The equipment have been evaluated for use in 25°C up to 50°C ambient at 100% rated load and up to 70°C ambient with derating of 2.5% of rated output power from 50°C to 70°C. Fan is reversible up to 40°C ambient at 100% rated load. Two pieces of 30 CFM fans were utilized during the testing of iVS3 series.