

SPECIFIC TECHNICAL CRITERIA

UL 60950-1, First Edition Information technology equipment - Safety- Part 1: General Requirements	
Report Reference No	E204980-A9-UL-1
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Standards	UL 60950-1, 1st Edition, 2006-07-07 (Information Technology Equipment - Safety - Part 1: General Requirements) CSA C22.2 No. 60950-1-03, 1st Edition, 2006-07 (Information Technology Equipment - Safety - Part 1: General Requirements)
Test procedure	Component Recognition
Non-standard test method	N/A
Test item description	Power Supply
Trademark	None
Model and/or type reference	AWSP40-5, AWSP40-12, AWSP40-24, EIPS040S05, EIPS040S12, EIPS040S24
Rating(s)	Input : 100-240 Vac 1.0 A, 50-60Hz Output : AWSP40-5, EIPS040S05 : 5Vdc, 7.6A AWSP40-12, EIPS040S12 : 12Vdc, 3.3A AWSP40-24, EIPS040S24 : 24Vdc, 1.7A

Particulars: test item vs. test requirements	
Equipment mobility	for building-in
Operating condition	continuous
Mains supply tolerance (%)	+10%, -10%
Tested for IT power systems	No
IT testing, phase-phase voltage (V)	N/A
Class of equipment	Class I (earthed)
Mass of equipment (kg)	0.355
Protection against ingress of water	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

GENERAL PRODUCT INFORMATION:	
CA1.0	Report Summary
CA1.1	N/A
CB1.0	Product Description
CB1.1	Electronic Component mounted on the PWB and housed with metal Chassis.
CC1.0	Model Differences
CC1.1	- Model EIPS040S05 is identical to Model AWSP40-5, except for model designations. - Model EIPS040S12 is identical to Model AWSP40-12, except for model designations. - Model EIPS040S24 is identical to Model AWSP40-24, except for model designations. - Models AWSP40-5 and AWSP40-12 are similar to Model AWSP40-24 except for output rating, Transformer winding and Model designation.
CD1.0	Additional Information
CD1.1	N/A
CE1.0	Technical Considerations
CE1.2	The product was submitted and tested for use at the maximum ambient temperature (T _{ma}) permitted by the manufacturer's specification of: 60 degree C (for output loading 50%), 45 degree C (for output loading 100%)
CE1.4	The product is intended for use on the following power systems: TN
CE1.12	The following were investigated as part of the protective earthing/bonding: the pillar and the metal enclosure for protective bonding
CE1.14	The following are available from the Applicant upon request: Installation (Safety) Instructions / Manual
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:
CF1.3	The end-product Electric Strength Test is to be based upon a maximum working voltage of: Model SWAP40-24:, Primary-SELV: 256 Vrms, 488 Vpk, Primary-Earthed Dead Metal: 256 Vrms, 488 Vpk, Model SWAP40-5:, Primary-SELV: 256 Vrms, 528 Vpk, Primary-Earthed Dead Metal: 256 Vrms, 528 Vpk
CF1.5	The following secondary output circuits are SELV: All secondary outputs
CF1.7	The following secondary output circuits are at non-hazardous energy levels: All secondary outputs are not hazardous energy

CF1.10	The following output terminals were referenced to earth during performance testing: All outputs
CF1.11	The power supply terminals and/or connectors are: Suitable for factory wiring only, Not investigated for field wiring
CF1.12	The maximum investigated branch circuit rating is: 20 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
CF1.18	The following magnetic devices (e.g. transformers or inductor) are provided with an OBJY2 insulation system with the indicated rating greater than Class A (105°C): T1 (Class B)
CF1.19	The following end-product enclosures are required: Electrical, Fire
CF1.23	The equipment is suitable for direct connection to: AC mains supply
CF2.0	Terminal Block is not investigated for permanently connected
CF2.1	Enclosure opening shall be evaluated in End-Product
CF2.2	output load Tma = 45 degree C, 50% output loading Tma = 60 degree C