



Product Service

CERTIFICATE

No. B 057396 0559 Rev. 00

Rated Outputs for Models:

Model Number	Output Voltage	Convective Cooling		
		Max Output Current @ 50°C (150W Max)	Max Output Current @ 70°C (150W Max)	Max Output Current @ 85°C (150W Max)
UCP225PS12	12 V	12.5A	6.25A	3.125A
UCP225PS15	15 V	10.0A	5.00A	2.50A
UCP225PS18	18 V	8.33A	4.165A	2.08A
UCP225PS24	24 V	6.25A	3.125A	1.56A
UCP225PS28	28 V	5.36A	2.68A	1.34A
UCP225PS36	36 V	4.16A	2.08A	1.04A
UCP225PS48	48 V	3.10A	1.55A	0.775A

Model Number	Output Voltage	Forced Air Cooling		
		Max Output Current @ 50°C (225W Max)	Max Output Current @ 70°C (225W Max)	Max Output Current @ 85°C (225W Max)
UCP225PS12	12 V	18.75A	9.38A	7.50A
UCP225PS15	15 V	15.00A	7.50A	6.00A
UCP225PS18	18 V	12.50A	6.25A	5.00A
UCP225PS24	24 V	9.38A	4.69A	3.75A
UCP225PS28	28 V	8.04A	4.02A	3.21A
UCP225PS36	36 V	6.25A	3.125A	2.50A
UCP225PS48	48 V	4.69A	2.345A	1.87A



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Technical Considerations

- The product was submitted and evaluated for use at the maximum ambient temperature (T_{ma}) permitted by the manufacturer's specification of : 50°C for full load; 70°C for half load, 85 °C for 25% load at convectional cooling and 40% at force air cooling.
- The product is intended for use on the following power systems : TN
- Considered current rating of protective device as part of the building installation (A) : 20
- Mains supply tolerance (%) or absolute mains supply values : +10%/-10%
- The following are available from the Applicant upon request : Installation (Safety) Instructions / Manual
- According to IEC60664-1, Table A2, required Clearances have been adjusted by multiplying the clearance at sea level by a factor of 1.48 for operating at an altitude of 5000 meters. The correction factor is based on barometric pressure of 70kPa and Overvoltage Category II. If the calculated Clearance exceeded the Creepage, the Creepage was adjusted to the value of clearance.
- The following accessible locations (with circuit/schematic designation) are within a limited current circuit: Load side of CY7, CY8, CY9

Engineering Conditions of Acceptability

When installed in an end-product, consideration must be given to the following:

- The following product-line tests are conducted for this product : Electric Strength
- The following output circuits are at ES1 energy levels : All circuits
- The following output circuits are at PS3 energy levels : All circuits
- The maximum investigated branch circuit rating is : 20 A
- The investigated Pollution Degree is : 2
- Proper bonding to the end-product main protective earthing termination is : Required when installed in a Class I end product.
- The following end-product enclosures are required : Fire, Electrical
- The following magnetic devices (e.g. transformers or inductor) are provided with an OBJ2 insulation system with the indicated rating greater than Class A (105°C) : TR1 - Class F (155)
- The power supply was evaluated to be used at altitudes up to : "5,000 m"

Tested according to: EN 62368-1:2014/A11:2017

Production Facility(ies): 003227, 071712, 089850