



RS-MITU III 305/505

(ISOLATION PDU)

The RS-MITU is an isolation PDU designed for Aerospace applications, that provides full isolation between the input power source and the output.

This unit has been designed to be used as a high protection and filtered element in electrical supply for electronics systems joints that be part of a work system.

RUTECH
ENERGY SYSTEMS

RS-MITU III 305/505

Rutech has 15 years of experience in the field of power systems and is a UNI EN ISO 9001 certified company.



Description

The RS-MITU is an isolation PDU, that provides full isolation between the input power source and the output. This unit has been designed to be used as a high protection and filtered element in electrical supply for electronics systems joints that be part of a work system.

The outputs of the unit are isolated and none of the active poles of the output is connected to the earth. In case of a single fault, if one the poles is going to touch the chassis of the equipment, the differential protection of the UNIT through the Insulation Monitoring Device is going to be activated.

The Isolation Transformer of the unit RS-MITU is a transformer that in addition to the protection against electrical shocks and principal isolation includes supplementary safety measures as the reinforced isolation, that limits in the fed circuit by the secondary winding the risks in the accidental simultaneous contact between ground and the active parts, to the same potential parts of the body, in the event of an isolation defect.

Key Features

- Input output Isolation Transformer
- Input & output measure of voltage & current
- Low voltage 24VAC control circuit
- Continues insulation monitoring at the output
- EPO Units EPO I & EPO II
- Input / output multimeters.

Ground Assemblies

The RS-MITU III isolation PDU is a double insulation unit, the outputs and the chassis of the unit are not connected to the PE of the input. There are 2 standard assemblies:

- Separate ground points for input and output
- Common ground point for input & output.

Insulation Monitoring

The RS-MITU III isolation PDU device is equipped with an insulation monitoring device. In case of an insulation fault, the IMD through the auxiliary contact after of 7 seconds time is switching off completely the ISOLATION PDU and at the same time the red LED "insulation fault" is lights on. The operation of the ISOLATION PDU is going to be restored only when the insulation fault stops.

Customization

RUTECH has the ability to design PDUs based on customer's requirements.

Standards

EN 61558-1:2005/A1:2009
EN 61558-2-4:2009
EN 61011-1:2010



Model	RS-MITU III 305	505
INPUT		
Phase	Single	
VOLTAGE	230VAC	
Frequency	50-60 Hz	
Current(A)	13,7A	22,8A
OUTPUT		
Power rating	3KVA	5KVA
Voltage	230VAC	
Frequency	50-60Hz	
Current	13,05 A	21,7A
ENVIRONMENTAL		
Ambient Temperature	0oC to 40oC	
Operating humidity	< 95%	
Altitude	<1000m	
Storage temperature	-10oC - + 50oC	
Efficiency	>95% at full load	
Dimensions (HxDxW)	5U x 600mm x19'	
ACCESSORIES		
RS-MITU-EPO I	P/N: 2102221100	
RS-MITU-EPO II	P/N: 2102221101	

ALL PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION OR DESIGN OR OTHER.



20, Themidos str., 177 78 Tavros - Athens, Greece
T: +30 210 9531260-1, F: +30 210 9510380
email: info@rutech.gr www.rutech.gr



ISO 9001: 2015