

SPS-2116 Dual-line Power Switch

- ✓ Improve reliability of power system of your cable network
- ✓ Make your ordinary power supplies an interactive back-up power system

Overview

Optical node plays a key role in cable TV systems. An optical node provides CATV signals for 500 to 2000 subscribers to televise. In most of cases, however, the node is powered by only one power supply unit. In the event that the power supply fails to perform normally, the node will stop working and then the subscribers may complain of operators' services. Now we can avoid this in a very simple way.

SPS-2116 is designed to solve the problem mentioned above. SPS-2116, along with two power supplies that have their respective loads, can form a small group. SPS-2116 automatically monitors operating status of these two power supplies. In case one power supply fails perform normally, SPS-2116 automatically gets power from another unit and feed the power to loads of the failed one. Signal transmission is ensured.

Moreover, SPS-2116 integrates functions of power feed inserter to saves operators' investment.



Features

- 5 - 1000MHz broadband operation
- Two power supplies monitored and controlled
- Embedded power feed inserter
- 30 to 90VAC wide input voltage range
- 15A through current rating
- Aluminum alloy powder coated enclosure
- Full weather seal with strand clamp for outdoor applications
- Woven metallic gasket for RFI shielding requirement
- 5/8" female connections (both input and output)

Nominal Specifications

Input voltage	30 – 90VAC
Operating bandwidth	5 ~ 1000MHz
AC current capacity	15A
HUM modulation	≥66dB
Return loss	14dB(860-1000MHz)
Insertion loss	1.5dB(860-1000MHz)
Impedance	75Ω
Dimensions	141x110x74mm
Gross weight	0.7kg

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SPS-5116A SPS-5116C Smart Power Switch

- ✓ Improve reliability of power system of your cable network
- ✓ Make your ordinary power supplies an interactive back-up power system

Overview

This device is developed on the basis of SPS-2116 Dual-Line Power Switch. SPS-5116A and SPS-5116C can monitor and control 5 power supplies and monitor their operating status at the same time. In the event that one of five power supplies that SPS-5116A or SPS-5116C monitors fails to perform normally, the power switch will automatically get power from a power supply next to the failed one and feed the power to loads of the failed one. This further ensures powering of the entire system.

SPS-5116C is equipped with durable indicators for distant observation. Moreover, both SPS-5116A and SPS-5116C integrate functions of power feed inserter to save operators' investment.

Input voltage range	30 – 90VAC
Operating bandwidth	860MHz (SPS-5116A) 1000MHz (SPS-5116C)
AC current capacity	7A (SPS-5116A) 15A (SPS-5116C)
HUM modulation	≥66dB
Return loss	14dB(860-1000MHz)
Insertion loss	1.5dB(860-1000MHz)
Impedance	75Ω
Dimensions	152x115x74mm(SPS-5116A) 332x158x89mm(SPS-5116C)
Gross weight	0.7kg(SPS-5116A) 3.2kgs(SPS-5116C)

Features

- 5 - 1000MHz broadband operation
 - Up to five power supplies monitored and controlled
 - Embedded power feed inserter
 - 30 to 90VAC wide input voltage range¹
 - 15A through current rating¹
 - Aluminum alloy powder coated enclosure²
 - Full weather seal with strand clamp for outdoor applications²
 - Woven metallic gasket for RFI shielding requirement²
 - 5/8" female connections (both input and output)
1. Feature(s) available on SPS-5116C only.
 2. Feature(s) available on SPS-5116A only. Housing of SPS-5116C is built of powder coated cold rolled steel plate. Housing of SPS-5116C and the device itself are also designed for outdoor applications.



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