SR6-CU

Controller Module for the SR6-11C System Platform with USB & LAN Interface

Features
- USB (device & host) interface
- LAN interfaces
- SCPI-oriented ASCII commands
- prepared for web interface
- updatable via USB

Applications
- automated test equipment
- signal distributions
- RF matrices
- research and development (R&D)
- production, final testing and
  screening

Scope

The SR6-CU controller unit is a 6 U, 6HP module for integration into the SR6-11C system platform. It enables easy control and monitoring of all compatible slot-in modules equipped in the system rack.
It provides PC standard interfaces LAN and USB. These interfaces can be used to control the compatible modules by SCPI-oriented ASCII commands.

Universal Firmware

The integrated firmware is updatable via USB mass storage device and provides straightforward command sets for all compatible slot-in modules. When custom functions for individual systems are needed, Becker Nachrichtentechik GmbH is able to provide customized firmware, e.g. including web interface.

Synchronous Switching

SR6-CU enables the synchronous execution of multiple commands across the whole system rack. Additionally, SR6-11C provides a TRIGGER IO interface which allows the synchronous coupling of multiple SR6-11C system racks and other compatible devices.
Thus, it is possible to create synchronous switching compounds with the devices and modules of the RSWU series for example.

Easy Use and Handling

The SR6-CU controller unit is housed in a rugged aluminum cover. It is designed for easy plug and play in combination with the SR6-11C system platform.
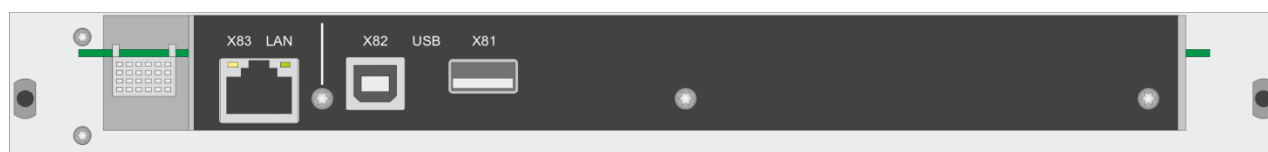
Specifications

Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
input voltage	U_{in}	23.5	24.0	24.5	V	via SR6-11C system platform
power consumption	P		2		W	
controllable modules	n			10		
dimensions	L x W x H	approx.197 x 30 x 262			mm	6 U, 6HP
weight	m		1000		g	
operating temp. range	T_o	+5		+ 60	°C	ambiance
storage temp. range	T_s	-40		+ 70	°C	
ordering information		SR6-CU		1409.3000.1		6 U, 6 HP controller

Front View

Rear View

Related Products

Product	Description	P/N
SR6-11C	System platform with 11 slots for slide-in modules	1409.1202.1
WSDU1X8	8 way multicoupler 100 kHz … 4000 MHz	1202.6100.1
WSDU-1X2PL	5 W medium output power multicoupler 20 … 2800 MHz	1202.6300.3
WSDU-1X8P	8 x 400 mW 8 way multicoupler 20 MHz ... 2700 MHz	1209.6001.1
WSDU-2X4E+	Two channel 1X4 plus 1 channel 1X2 multicoupler module. 20 MHz ... 8000 MHz	1502.6200.1
WSDU-1X8S	8 way mulitcoupler for the short wave range 1.7 … 30 MHz	1502.6100.1
RSWU-8SPSTS	8 channel non-reflective SPST switch 100 kHz … 8500 MHz	1408.4000.1
RSWU-4SPDTS	4 channel non-reflective SPDT switch 100 kHz … 8500 MHz	1408.4020.1
RSWU-2SP4TS+	2 channel non-reflective SP4T switch + 1 channel SPDT 100 kHz … 8500 MHz	1408.4030.1