SR6-11C

19”, 6 U Universal System Platform for 11 Slot-In Modules

Features

- integrated 400 W AC power supply
- trigger IO interface
- hot-swappable
- large number RF module types are available

Applications

- ATE automatic test equipment
- R&D research and development
- production
- aerospace and defense
- customized solutions

Scope

The SR6-11C is the basis for versatile RF system solutions. With this modular system platform, a large number of different function modules can be integrated in a space-saving 19" rack. A large number of RF module types like RF switches, matrices, bi- and uni-directional multicouplers with ALC capability, attenuators, BIAS-Ts, level detectors and signal conditioning splitters/combiners are available. All integrated modules can be centrally controlled and operated with just one controller. The modules can be slide-in and fasten with screws on the front side by hand.

The modules are powered by an internal 400 W DC power supply, so that modules with a higher power consumption can also be operated. Externally the rack is supplied by a standard IEC socket. The RF cabling occurs via SMA connectors on the rear side of each module.

Customized Solutions

With the help of the SR6-11C system platform and the associated modules, customer-specific solutions can be easily implemented without additional hardware development and construction of electrical and mechanical parts, which saves time and money.

Remote Control

The device can easily be integrated in a local laboratory network via LAN and USB. With the controller module SR6-CU, all function modules can be operated via both, SCPI orientated ASCII commands or a web-based GUI (graphical user interface).

I/O Trigger Interface

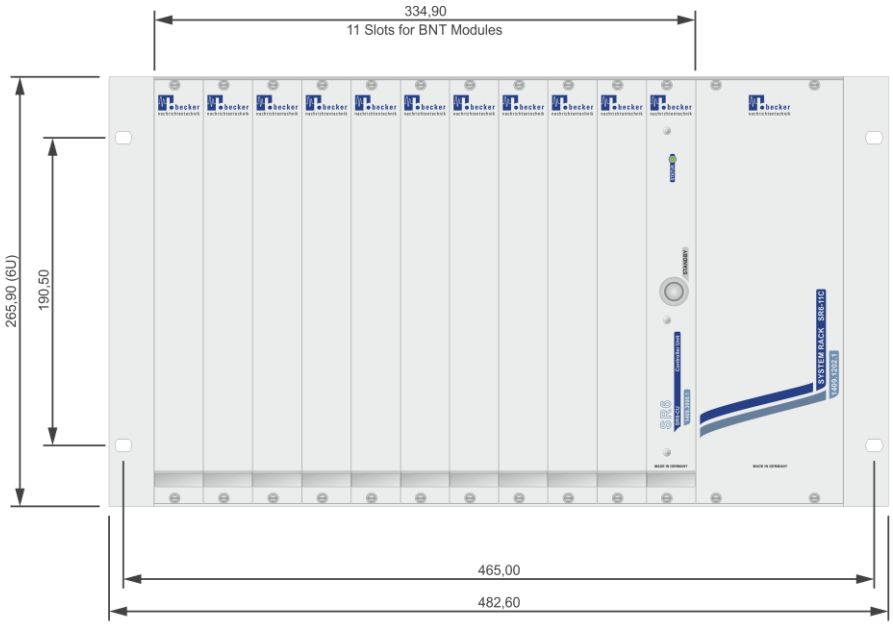
The Trigger-IO interface on the back of the SR6-11C system platform and the SR6-CU controller unit enables compound operations of a compound SR6-11C system platform where commands are executed synchronously.

Specification

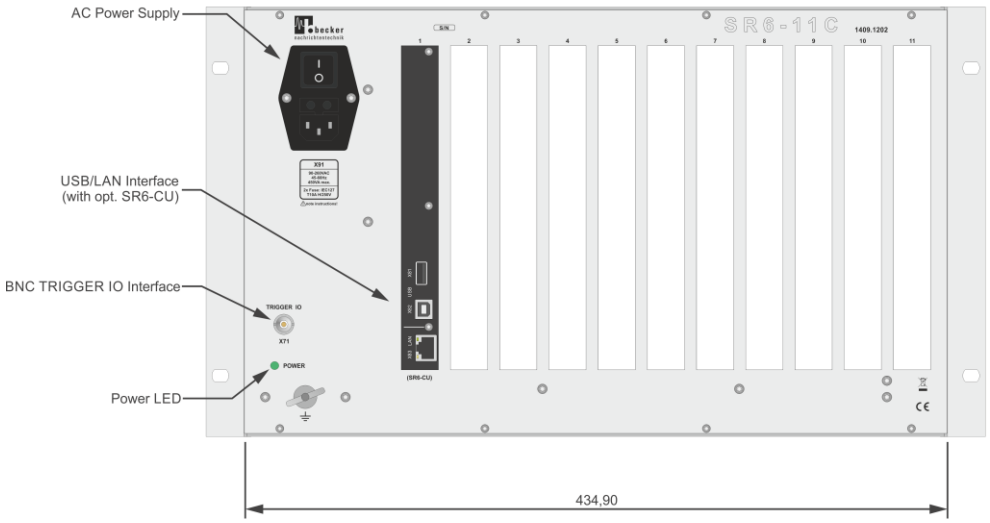
Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
power supply	U_{AC}	90		260	V	45 … 63 Hz
input harmonics		compliant EN61000-3-2				
DC output power	P_{DC}			400	W	total, continuous, derating by 2.5%/K for T_{ENV} > 50°C*
power socket	X_{AC}	IEC-60320 C14				country specific mains cable
module slots	n_{MOD}	11				
dimensions	WxHxD	approx. 482 x 267 x 180			mm	19”, 6 U
weight	m		3.2		kg	
operating temp. range	T_o	+5		+ 40	°C	ambiance
storage temp. range	T_s	-40		+ 70	°C	
ordering information	SR6-11C		P/N: 1409.1202.1			

Note 1: appropriate ventilation must be applied for providing the maximum power

Appearances & Dimensions



Front View



Rear View

Depth 180,00

all dimensions in mm

Related Products

Product	Description	P/N
SR6-11C	System Platform with 11 Slots for Modules	1409.1202.1
SR6-CU	Controller Unit with LAN and USB Remote Interface	1409.3000.1
Unidirectional Products: Active Multicouplers, Matrices, Level Detectors		
WSDU-1X8L	8 Way Multicoupler Module, 100 kHz … 4000 MHz	1807.6100.1
WSDU-2X4L	2 Section Hi Dynamic 4 Way Multicoupler Module, 100 kHz … 4000 MHz	1807.6200.1
WSDU-2X4E+	2 Section 1x4 plus 1x2 Multicoupler Module, 20 … 8000 MHz	1501.6200.1
WSDU-1X8U	Ultra-Wideband 8-Way Multicoupler Module, 100 kHz … 18000 MHz	2109.6000.1
WSDU-1X8S	High Dynamic 1x8 Shortwave Multicoupler Module, 300 kHz … 30 MHz	1502.6100.1
WSDU-1X8A	8 Way High Dynamic Signal Conditioning Multicoupler, 100 kHz … 4000 MHz	1807.6300.1
WSDU-2X4A	2 Section 4 Way High Dynamic Signal Conditioning Multicoupler, 100 kHz … 4000 MHz	1807.6400.1
WSDU-1X2PM	2 Channel, 5 W Multicoupler with ALC Capability, 20 MHz…3000 MHz	1606.6000.1
RSWM-4X4	4x4 Switching Matrix -Non-blocking-, 100 kHz … 4000 MHz or 20 MHz … 4000 MHz	1205.4100.1
RSWM-4X4E	4x4 Ultra-Wideband Switching Matrix -Non-blocking-, 20 MHz … 8000 MHz	2001.4100.1
RFLD-8RE	8 Channel True Power RF Level Detector, 1 MHz … 8000 MHz	1505.8000.1
Bi-Directional Products: Switches, Matrices, Attenuators, Delay Lines, BIAS-Ts, Splitters/Combiners, Filters		
BSDU-1X8A	8 Way Bi-directional Signal Conditioning Splitter Module, 500 … 9000 MHz	2109.6200.1
BSDU-2X4A	2 Section 4 Way Bi-directional Signal Conditioning Splitter Module, 500 … 9000 MHz	2109.6250.1
RSWU-2SP4TS+	2 Channel Non-reflective SP4T Switches plus 1 Channel SPDT Switch, 100 kHz … 8500 MHz	1408.4010.1
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-8SPST-CS	8 Channel High Isolation SPST with DC Load Simulation, 100 kHz … 7500 MHz	1811.4100.1
BSWM-4X4E	4x4 High Isolation Bi-Directional Switching Matrix –Blocking-, 100 kHz … 7500 MHz	1205.4600.1
ATT-8E	8 Channel Digital Step Attenuator 0 … 31.75 dB, 100 kHz … 8000 MHz	1503.4000.1
DLL-4	4 Channel Programmable Delay Line 0 …1700 ps, 250 MHz … 4000 MHz	1303.4200.1
PT-4CS	4 Channel Programmable DC Sink 0 … 400 mA, 100 kHz … 8500 MHz	1605.2020.1
PT-4CL	4 Channel Wideband DC Load, 100 kHz … 8500 MHz	1605.2040.1
FBS-1590	L1 Band GNSS Notch Filter	1511.5100.1