

SR6-11C

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

Features

- integrated 400 W AC power supply
- binary control interface
- trigger IO interface
- hot-swappable
- a 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 system platform is the basis for versatile RF system solutions. A large number of RF module types like RF switches, multicouplers, BIAS-Ts, level detectors, matrices and a controller are available. The different module types have all the same form factor. They can easily integrate in any combination into the SR6-11C system platform. The modules can be slide in and fasten with screws on the front side by hand.

The DC powering of the modules occurs with an internal 400 W power supply. That allows also an operation with modules with higher power consumptions. The DC power distribution and the control of the modules occur via the internal backplane without the effort of external cabling. The RF cabling occurs via SMA connectors on the rear side of the modules.

Customized Solutions

With help of the SR6-11C system platform and the associated modules, customized solutions can be easily realized without the effort of hardware developments and constructions of electrical and mechanical parts. This saves time and costs.



Binary Hardware Interface

For time critical applications the SR6-11C offers a binary interface. Via the binary interface the access to the modules occurs only by hardware without latency times.

Remote Control

For remote control via LAN and USB interface can be done with the controller module SR6-CU. It allows SCPI orientated ASCII commands and offers a GUI (graphic user interface).

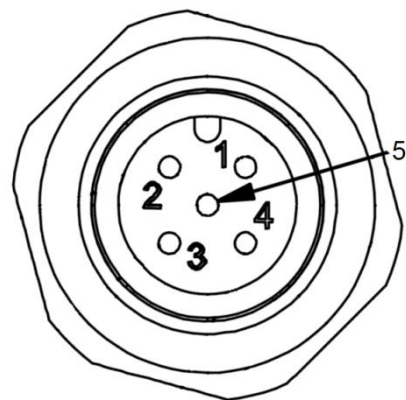
Specification

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 $T_{ENV} > 50^{\circ}C^{*}$
power socket	X_{AC}	IEC-60320 C14				country specific mains cable
module slots	n_{MOD}	11				
binary Interface	X_{BIN}	5 pole M12 connector (male)				with SYNC line
dimensions	WxHxD	approx. 482 x 267 x 180			mm	19", 6 U
weight	m		3.2		kg	
operating temp. range	T_o	+5		+ 40	$^{\circ}C$	ambiance
storage temp. range	T_s	-40		+ 70	$^{\circ}C$	
ordering information	SR6-11C		P/N: 1409.1202.1			

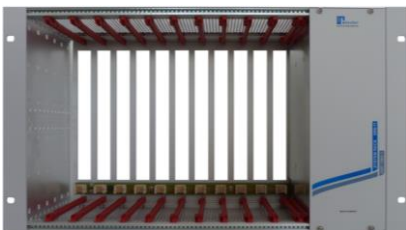
Note 1: appropriate ventilation must be applied for providing the maximum power

Binary Interface PIN Assignment

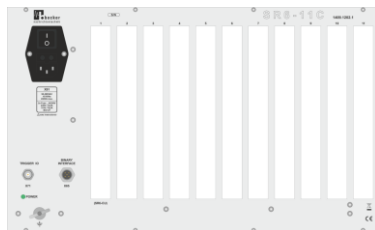
PIN	Designation	Remark
1	TRIGGER_IO	Wired AND trigger bus
2	+5V_USB	Used for host detection only
3	D-	Negative differential data
4	D+	Positive differential data
5	GND	Ground



Appearances



SR6-11C front view



SR6-11C rear view



SR6-11C perspective view

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-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	1807.6300.1
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	1807.6300.1
WSDU-2X4E+	2 Section 1x4 plus 1 1x2 Multicoupler Module 20 ... 8000 MHz	1501.6200.1
RSWM-4X4	4x4 Switching Matrix -Non-blocking-, 100 kHz ... 4000 MHz or 20 MHz ... 4000 MHz	1205.4100
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		
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-4X4	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
BSDU-2X4A+	2 Section 4 Way, Bi-Directional Signal Conditioning plus 2 Way Splitter/Combiner, 500 MHz ... 7500 MHz	1903.6100.1
BSDU-2X4+	2 Section 4 Way Wideband Bi-Directional plus 2 Way Splitter/Combiner, 500 MHz ... 7500 MHz	1903.6200.1