

# R&S®OSP120

## Open Switch and Control Platform

### Modular platform for RF switch and control tasks



#### At a glance

The R&S®OSP120 is a compact RF switch and control platform. A number of optional modules make the R&S®OSP120 ideally suited for a wide range of applications from simple RF switch functions to the RF wiring of complex systems such as EMC systems.

#### Features and benefits

##### **Modular, reliable, cost-efficient**

The modularity of the R&S®OSP120 helps ensure the fast setup of test and measurement configurations for production as well as for test labs and development departments.

An essential prerequisite for reliable and reproducible measurements is the ability to implement complex wiring by means of a single switch and control platform and only a few additional external components.

Owing to automatic test sequences, the controllable R&S®OSP120 platform enables cost-efficient measurements.

##### **Compact and flexible**

The R&S®OSP120 is accommodated in a 19" wide cabinet of two height units. The sophisticated CPU control functionality provides maximum flexibility for controlling switch and control modules and makes high-performance external interfaces available.

##### **Powerful control and RF relay modules**

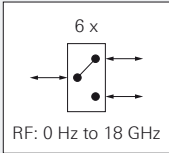

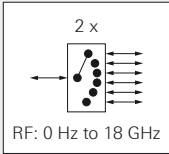

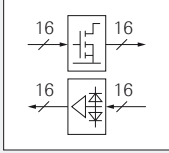

The switch and control modules are inserted into the three rear module slots. The versatile 18 GHz RF relays and 16-bit input/output modules can be combined as required and enable you to configure the R&S®OSP120 cost-efficiently according to the application at hand.

##### **Easy control and system integration**

The R&S®OSP120 is controlled via the Ethernet interface. This interface makes it possible to connect the R&S®OSP120 directly to a PC, to integrate it into test systems or to remotely operate it via a corporate network.

The R&S®OSP120 can be controlled either from an application program or by means of the operating software supplied that enables you to control the switch and control modules easily and directly without special software knowledge.

# Ordering information

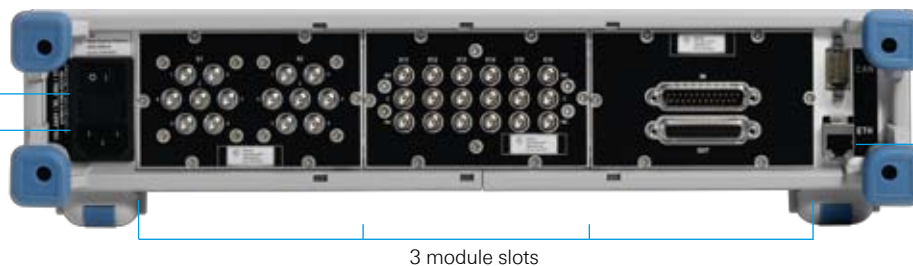
Overview of modules			
Module	Function Specifications	Symbol	Connectors
<b>R&amp;S®OSP-B101</b>	<b>6 x coaxial changeover relay (SPDT)</b>  connector type SMA (female) relay impedance 50 Ω frequency range 0 Hz to 18 GHz		
<b>R&amp;S®OSP-B102</b>	<b>2 x coaxial multiposition relay (SP6T)</b>  connector type SMA (female) relay impedance 50 Ω frequency range 0 Hz to 18 GHz		
<b>R&amp;S®OSP-B103</b>	<b>16 x digital inputs/outputs</b>  connector type (I/O) 25-contact D-Sub (male/female)  16 digital output channels open drain, max. 28 V DC, max. 100 mA  16 digital input channels 0 V to 3.3 V DC, max. 5.5 V (LV-CMOS)		

Base unit	Type	Order no.
Open Switch and Control Platform	R&S®OSP120	1505.3009K02

Options	Type	Order no.
6 x Coaxial Changeover Relay (SPDT), 18 GHz	R&S®OSP-B101	1505.5101.02
2 x Coaxial Multiposition Relay (SP6T), 18 GHz	R&S®OSP-B102	1505.5201.02
16 x Digital Inputs/Outputs	R&S®OSP-B103	1505.5301.02

Power switch in addition to standby switch on front

Power supply 100 V to 240 V



Ethernet interface for direct connection to a PC or for integration into an Ethernet network

3 module slots

## Rohde & Schwarz GmbH & Co. KG

Europe, Africa, Middle East +49 1805 12 42 42 or +49 89 4129 137 74  
customersupport@rohde-schwarz.com  
North America +1-888-TEST-RSA (1-888-837-8772)  
customer.support@rsa.rohde-schwarz.com  
Latin America +1-410-910-7988  
customersupport.la@rohde-schwarz.com  
Asia/Pacific +65 65 13 04 88  
customersupport.asia@rohde-schwarz.com  
**www.rohde-schwarz.com**

R&S® is a registered trademark of Rohde & Schwarz GmbH & Co. KG  
Trade names are trademarks of the owners  
R&S®OSP120 | PD 5214.0330.32 | Version 01.00 | February 2008  
Data without tolerance limits is not binding | Subject to change  
Printed in Germany (sv)

\*0.14 €/min within the German fixed-line phone network;  
prices in different mobile phone networks and in different countries vary