

Bidirectional Switches 1 RU



The final product may vary from the above image depending on the options selected.

Products:

DEV 1018/50	1:8 De-/Multiplexer; 47...1006 MHz; 50 Ohm, SMA (f)
DEV 1018/75	1:8 De-/Multiplexer; 47...1006 MHz; 75 Ohm, F (f)
DEV 10116/50	1:16 De-/Multiplexer; 47...1006 MHz; 50 Ohm, SMA (f)
DEV 10116/75	1:16 De-/Multiplexer; 47...1006 MHz; 75 Ohm, F (f)
DEV 1218/50	1:8 De-/Multiplexer; 950...2150 MHz; 50 Ohm, SMA (f)
DEV 1218/75	1:8 De-/Multiplexer; 950...2150 MHz; 75 Ohm, F (f)
DEV 12116/50	1:16 De-/Multiplexer; 950...2150 MHz; 50 Ohm, SMA (f)
DEV 12116/75	1:16 De-/Multiplexer; 950...2150 MHz; 75 Ohm, F (f)

Features:

- ▀ Bidirectional Switches with 8 or 16 Ports and with one common Port that can be operated as 1:n (de-multiplexing) or as n:1 (multiplexing) Switch
- ▀ CATV-Band or L-Band
- ▀ Impedance 50 Ohm, SMA (f) or 75 Ohm, F (f)
- ▀ Products are also available without Device Panel
- ▀ SNMP Support
- ▀ DEV Web Interface
- ▀ Data Backup Feature
- ▀ Power Supply Redundancy

Technical Data

DEV 1f1n/zz De-/Multiplexer 1 RU

- ▀ "f" indicates the frequency range and is either "0" (for 47...1006 MHz) or "2" (for 950...2150 MHz).
- ▀ "n" is the number of Input (or Output) Ports and can be "8" or "16".
- ▀ "zz" specifies the impedance and can be "50" or "75".

Capacity

Input (Output) Ports	DEV 1f18/zz:	8
(DEV 1f1n/zz)	DEV 1f116/zz:	16
Common Output (Input) Ports		1

RF Specifications

Frequency Range	DEV 101n/zz:	47...1006 MHz
(DEV 1f1n/zz)	DEV 121n/zz:	950...2150 MHz
Impedance, Connectors	DEV 1f1n/50:	50 Ohm, SMA (f)
(DEV 1f1n/zz)	DEV 1f1n/75:	75 Ohm, precision F (f)
Damage Level		+15 dBm
Nominal Input Level		<+5 dBm
Return Loss selected Path		>14 dB
Return Loss not selected Path	DEV 101n/50:	>21 dB
	DEV 101n/75:	>18 dB
	DEV 121n/zz:	>14 dB
Return Loss Common Port		>14 dB
Insertion Loss	DEV 101n/zz:	5±3 dB
	DEV 121n/zz:	6±3 dB
Flatness		±1.5 dB
Isolation between Input Ports		>50 dB
Relay Type		Semiconductor

Remote Communication

Interfaces (Connectors)	<ul style="list-style-type: none"> • Ethernet (RJ-45) • Serial Interface RS 232 (Sub-D-9 (f))
Remote Control & Surveillance (Interface)	<ul style="list-style-type: none"> • via Web Interface (Ethernet) • via SNMP (Ethernet) • via Sandar Prosan Protocol (Serial Interface) OR • via Leitch Protocol (Ethernet/Telnet & Serial Interface) OR • via QEC Protocol (Ethernet/Telnet & Serial Interface)

Redundant Power Supply

Supply Voltage	100...240 V AC supplied by two different Lines
Power Consumption	<30 VA

General Specifications

Size	19" (483 mm) Width, 1 RU (44 mm) Height, 260 mm Depth
Weight	~5 kg
Environmental Conditions	ETS 300019 Part 1-3 Class 3.1

Option 54 No Front Panel Control

- ▀ The device is delivered without a device panel, i.e. the monitoring and control of the product is to be done via Web Interface or via a remote control protocol, e.g. via SNMP.

Order Information

Products

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Options

Option 54	No Front Panel Control
Option 79	Additional Web License 1 RU

Contact

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Rev. 30-Aug-2017

Technical specifications are subject to change