

Bidirectional Switches 3 RU



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

Products:

DEV 10124/50	1:24 De-/Multiplexer; 47...1006 MHz; 50 Ohm, SMA (f)
DEV 10124/75	1:24 De-/Multiplexer; 47...1006 MHz; 75 Ohm, F (f)
DEV 10132/50	1:32 De-/Multiplexer; 47...1006 MHz; 50 Ohm, SMA (f)
DEV 10132/75	1:32 De-/Multiplexer; 47...1006 MHz; 75 Ohm, F (f)
DEV 10148/50	1:48 De-/Multiplexer; 47...1006 MHz; 50 Ohm, SMA (f)
DEV 10148/75	1:48 De-/Multiplexer; 47...1006 MHz; 75 Ohm, F (f)
DEV 10164/50	1:64 De-/Multiplexer; 47...1006 MHz; 50 Ohm, SMA (f)
DEV 10164/75	1:64 De-/Multiplexer; 47...1006 MHz; 75 Ohm, F (f)
DEV 12124/50	1:24 De-/Multiplexer; 950...2150 MHz; 50 Ohm, SMA (f)
DEV 12124/75	1:24 De-/Multiplexer; 950...2150 MHz; 75 Ohm, F (f)
DEV 12132/50	1:32 De-/Multiplexer; 950...2150 MHz; 50 Ohm, SMA (f)
DEV 12132/75	1:32 De-/Multiplexer; 950...2150 MHz; 75 Ohm, F (f)
DEV 12148/50	1:48 De-/Multiplexer; 950...2150 MHz; 50 Ohm, SMA (f)
DEV 12148/75	1:48 De-/Multiplexer; 950...2150 MHz; 75 Ohm, F (f)
DEV 12164/50	1:64 De-/Multiplexer; 950...2150 MHz; 50 Ohm, SMA (f)
DEV 12164/75	1:64 De-/Multiplexer; 950...2150 MHz; 75 Ohm, F (f)

Features:

- ▀ Bidirectional Switches with 24...64 Ports and with one common Port that can be operated as 1:nn (de-multiplexing) or as nn:1 (multiplexing) Switch
- ▀ CATV-Band or L-Band
- ▀ Impedance 50 Ohm, SMA (f) or 75 Ohm, F (f)
- ▀ Output Amplifier or Input Amplifier available for L-Band Products
- ▀ SNMP Support
- ▀ DEV Web Interface
- ▀ Data Backup Feature
- ▀ Power Supply Redundancy

Technical Data

DEV 1f1nn/zz De-/Multiplexer 3 RU

- ▀ "f" indicates the frequency range and is either "0" (for 47...1006 MHz) or "2" (for 950...2150 MHz).
- ▀ "nn" is the number of Input (or Output) Ports and can be "24", "32", "48", or "64".
- ▀ "zz" specifies the impedance and can be "50" or "75".

Capacity

Input (Output) Ports (DEV 1f1nn/zz)	DEV 1f124/zz: 24
	DEV 1f132/zz: 32
	DEV 1f148/zz: 48
	DEV 1f164/zz: 64

Common Output (Input) Ports 1

RF Specifications

Frequency Range (DEV 1f1nn/zz)	DEV 101nn/zz: 47...1006 MHz
	DEV 121nn/zz: 950...2150 MHz
Impedance, Connectors (DEV 1f1nn/zz)	DEV 1f1nn/50: 50 Ohm, SMA (f)
	DEV 1f1nn/75: 75 Ohm, precision F (f)
Damage Level	+15 dBm
Nominal Input Level	<0 dBm
Return Loss selected Path	DEV 1f1nn/50: >16 dB
	DEV 1f1nn/75: >14 dB
Return Loss not selected Path	DEV 1f1nn/50: >16 dB
	DEV 1f1nn/75: >14 dB
Return Loss Common Port	>18 dB
Insertion Loss	<8 dB
Flatness	±2.0 dB (over entire Band)
	±0.25 dB (in any 8 MHz / 36 MHz Interval)
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	<80 VA

General Specifications

Size	19" (483 mm) Width, 3 RU (133 mm) Height, 495 mm Depth
Weight	~12 kg
Environmental Conditions	ETS 300019 Part 1-3 Class 3.1

Option 38 Output-Amplifier for Multiplexer

Option 39 Input-Amplifier for Demultiplexer

- ▀ The L-Band products (DEV 121nn/zz) can be equipped
 - via Option 38 with an active output port if applied as a nn:1 switch, or
 - via Option 39 with an active input port if applied as a 1:nn switch

Insertion Loss	<-2±3 dB
----------------	----------

Order Information

Products

DEV 10124/50	1:24 De-/Multiplexer; 47...1006 MHz; 50 Ohm, SMA (f)
DEV 10124/75	1:24 De-/Multiplexer; 47...1006 MHz; 75 Ohm, F (f)
DEV 10132/50	1:32 De-/Multiplexer; 47...1006 MHz; 50 Ohm, SMA (f)
DEV 10132/75	1:32 De-/Multiplexer; 47...1006 MHz; 75 Ohm, F (f)
DEV 10148/50	1:48 De-/Multiplexer; 47...1006 MHz; 50 Ohm, SMA (f)
DEV 10148/75	1:48 De-/Multiplexer; 47...1006 MHz; 75 Ohm, F (f)
DEV 10164/50	1:64 De-/Multiplexer; 47...1006 MHz; 50 Ohm, SMA (f)
DEV 10164/75	1:64 De-/Multiplexer; 47...1006 MHz; 75 Ohm, F (f)
DEV 12124/50	1:24 De-/Multiplexer; 950...2150 MHz; 50 Ohm, SMA (f)
DEV 12124/75	1:24 De-/Multiplexer; 950...2150 MHz; 75 Ohm, F (f)
DEV 12132/50	1:32 De-/Multiplexer; 950...2150 MHz; 50 Ohm, SMA (f)
DEV 12132/75	1:32 De-/Multiplexer; 950...2150 MHz; 75 Ohm, F (f)
DEV 12148/50	1:48 De-/Multiplexer; 950...2150 MHz; 50 Ohm, SMA (f)
DEV 12148/75	1:48 De-/Multiplexer; 950...2150 MHz; 75 Ohm, F (f)
DEV 12164/50	1:64 De-/Multiplexer; 950...2150 MHz; 50 Ohm, SMA (f)
DEV 12164/75	1:64 De-/Multiplexer; 950...2150 MHz; 75 Ohm, F (f)

Options

Option 38	Output-Amplifier for Multiplexer (for DEV 121nn/zz only)
Option 39	Input-Amplifier for Demultiplexer (for DEV 121nn/zz only)
Option 78	Additional Web License 3-4 RU

Contact

DEV Systemtechnik GmbH
Grüner Weg 4A
61169 Friedberg
GERMANY
Phone: +49 6031 6975 100
Fax: +49 6031 6975 114
info@dev-systemtechnik.com
www.dev-systemtechnik.com

Rev. 30-Aug-2017

Technical specifications are subject to change