S VD 5812

SDTV / HDTV **SERIES** 5000 **3G**

CardModules

VD 581

STRIBUTIO

3Gbit SDI/ASI 2 Channel Changeover Switch

Description

The S VD 5812 is a 2 channel changeover switch which can be automatically triggered when an input fails or manually triggered. Fully compatible with SDI / DVB-ASI and SMPTE 310 signals up to 3Gbits/s. This module is ideally suited for demanding multiformat broadcast and professional video applications.

In re-clocked mode the module will auto-detect the connected video standard. When set to non re-clocked mode the module will transparently pass data from 15Mbit/s to 3Gbit/s.

The switch can be configured to switch manually from a external GPI input trigger or from the control system GUI. When configured for emergency switching the module will automatically switch when a designated input fails. This can be set to latch permanently or switch back automatically when main input returns. A GPO output trigger is provided when the emergency switch operates.

Optional mechanical relay will connect inputs to outputs in the event of a power failure.

Local control capability is provided via the integrated dip switch. Remote control, status monitoring and error reporting is possible when using the LYNX control system.

Features

- Supports SDI / DVB-ASI and SMPTE 310 inputs up to 3Gbit/s
- 2 x Inputs and 2 sets of switched outputs
- Inputs can be reclocked or non-reclocked
- Auto detect input video standard
- Manual switching from external GPI trigger or from control system GUI
- Automatic emergency switching when designated input fails
- Select latch or automatic return when main input returns
- GPO output trigger provided when switch operates
- Transparently pass data between 15Mbit/s and 3Gbit/s in nonreclocked mode.

- Input presence detection with LED indicators
- · Optional power fail relay connecting inputs to outputs
- Remote control, status monitoring and error reporting possible when used with LYNX control system
- Full SNMP support when used with master controller option

MAIN OUT

MAIN

OUT 2

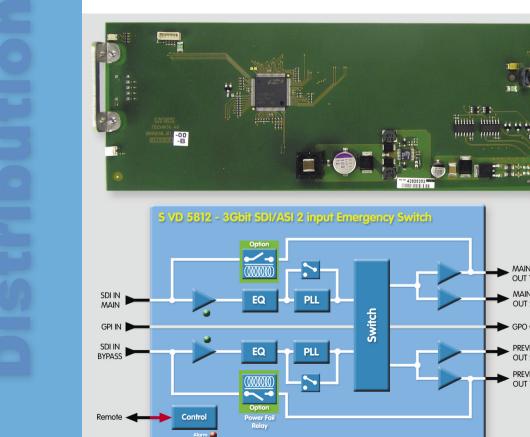
GPO OUT

PREVIEW

PREVIEW OUT 1

OUT 2

Hot Swappable





Backplane

S VD 5812

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CardModules

SDTV / HDTV

3G SERIES 5000

Specifications

Video Inputs

erial Digital Video SMPTE 259M, 292M, 424M VB-ASI and SMPTE 310 II formats (270Mbit/s through 2.97Gbit/s) .8 v peak to peak 5 Ohms NC 15dB (1.485Gbit) 10dB (2.97Gbit)		
.8 v peak to peak 5 Ohms NC 15dB (1.485Gbit)		
5 Ohms NC 15dB (1.485Gbit)		
NC 15dB (1.485Gbit)		
NC 15dB (1.485Gbit)		
15dB (1.485Gbit)		
Serial Digital Video SMPTE 259M, 292M, 424M DVB-ASI and SMPTE 310		
Follows input		
0.8 v peak to peak		
75 Ohm		
(2x2)		
NC		
15dB (1.485Gbit)		
10dB (2.97Gbit)		
0.20 UI (270Mbit) 1,0 UI - Timing Jitter - (1.485Gbit - 2.97Gbit) 0.20 UI - Alignment Jitter - (1.485Gbit - 2.97Gbit)		
p to 250M using Belden 8281 (270Mbit) p to 140m using Belden 1694A (1.485Gbit) p to 80m using Belden 1694A (2.97Gbit)		
Local settings using on board dip switches. Remote control possible when used with LYNX controller		
Signal presence for each input plus general alarm		
NC		
5 Ohms		
Switch closure. (opto coupled) Connect signal to BNC ground to activate. (reccomend connecting through 75 Ohm resistor) Max. current sink without resistor = 10mA		
witch closure. (opto coupled) igh level = GPO activated. High voltage = 3.3 volts. Max current 15mA		
utomatic Main / Bypass changeover of output channels when esignated input is lost.		
witch on external GPI input trigger or control system trigger.		
locked or non re-clocked operation (each channel, selectable)		
ns		
2 VDC		
4W		
C 60950/ EN 60950/ VDE 0805		
283mm x 78mm		
CardModule 120g, connector plate 50g		
°C to 40°C Maintaining specifications		

Specifications subject to change

Settings and Control

Loca	Settings
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Mode selection	Manual or Automatic			
Set auto trigger input	Main IN / Bypass IN			
Re-clocking	Clocked / non re-clocked			
Settings Available from Control System				
Manual Switch.	Control system switch trigger.			

On Board Indicators / LEDs

Input 1 Present / No Input
Input 2 Present / No input
General Alarm Indicator – 3 Color

Options

OH DVD RL2 - Bypass Relay

Optional mechanical relay which will connect MAIN IN 1 to MAIN OUT 1 and BYPASS to PVW 1 in the event of a power failure.

Ordering Information

Model #	Part Number	Description	Includes
S VD 5812	5155025812	3Gbit SDI/ASI 2 Input Changeover Switch	CardModule, Rear termination Panel, + Mounting Screws, and Reference Manual
OH DVD RL2	5155105800	Power Fail Relay Option	Rear termination panel with integrated mechanical relay.