



Model Number: 23160-S5S5

RF Engineering  
and Custom Build

# 12 x 1 SHF Switch

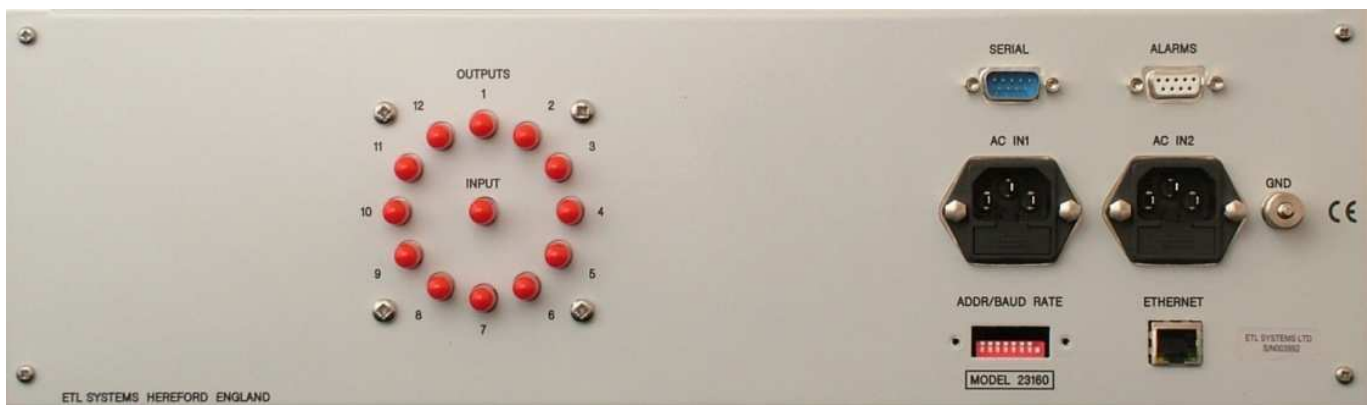
With Local and Remote control (via RS232/422/485 & RJ45 ports)



This 12x1 SHF switch operates over the DC-22GHz frequency range. The unit can be controlled locally via the front panel push buttons and LCD Display and remotely via an RS232/422 /485 serial port, or an RJ45 ethernet port on the rear panel.

Front View of Model 23160-S5S5

The front panel LED display indicates the currently selected input channel as a number between 1 and 12. The unit benefits from dual redundant power supplies, which can be monitored visually using the front panel LEDs or via a dry contact alarm port on the rear panel.



Rear View of Model 23160-S5S5

This particular unit has 50 ohm SMA connectors, but other connector types and impedances are available (model numbers will vary).





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## Technical specifications and operating parameters

RF Parameters	
Capacity	12x1
Frequency Range	DC-22 GHz (SHF)
Insertion Loss	<4 dB
Flatness	1 dB typical
Gain Stability	± 0.02 dB / °C typical
Isolation	60 dB minimum
Noise Figure	113 dB typical
Switch Life	1,000,000 cycles minimum

Physical	
Input Connector	SMA
Input Impedance	50Ω
Output Connector	SMA
Output Impedance	50Ω
Dimensions	3U high x 350mm deep x 19" wide
Weight	6 kg
Colour	White 00-E-55 semi-gloss (Front panel)

System Control	
Display	Front Panel LCD Display
Local Control	Via front panel push buttons & LCD Display to select input channel
Remote Control	Via Serial (RS232/422/485) & Ethernet (RJ45) Ports

Power	
AC Power	90-264V AC (50/60Hz)
LNB Power	None
PSU	Dual Redundant
Hot-swap PSU	None

Environmental	
Operating temperature	0 to 45°C
Location	Indoor use only
Storage temperature	-20°C to +75°C
Humidity	85% non-condensing

Key Features	
Local & Remote Control	
Dual redundant power supplies	
Front panel LCD Display	

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