



4 x 1 SHF Switch

This **SHF switch** operates over the DC to 18 GHz frequency range. It is controlled from the front panel via illuminated push buttons or remotely via an Ethernet port. The switch incorporates a coaxial relay multi-switch. This is self latching so the RF path is maintained even with total power loss.

The controller reports any switch failure back to the M & C system and has dry contact alarms for PSU failure.



Pictures of front and rear panels of 4 x 1 SHF Switch



This unit has 50 ohm SMA connectors but others impedances and connectors are available (model numbers will vary). Similarly a version with dual redundant power supplies is also available.

ETL Model Number – 23163



RESILIENCE FLEXIBILITY RF PERFORMANCE

Technical Specifications



• RF Parameters

Capacity	4 x 1
Incoming Signal	DC – 18 GHz
Insertion Loss	< 4 dB
Flatness	± 0.7 dB typical
Isolation	60 dB minimum
Gain Stability	± 0.02 dB/°C typical
Switch Life	1,000,000 cycles min.

• System Control

Local Control	via illuminated pushbuttons
Remote Control	via Ethernet port

• Environmental

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

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• Physical

Connectors	SMA
Impedance	50Ω
Dimensions	2U high x 350mm deep x 19" wide
Colour	White 00-E-55 semi-gloss, front panel

• Power

AC Power	85-264Vac 50/60Hz
LNB Power	None
PSU	Single
PSU Redundancy	None

• Key Features

Illuminated pushbuttons on front panel show which input is selected

Dry contact alarm for PSU failure

Self latching multi-switch

Passive and bi-directional

For additional information or details, please contact us at:

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