## Swift Series DC—15 GHz 2+1 Redundancy Switch Module with standby for Frequency Converters

## Typical applications:

- Teleports \& Earth Stations
- Satellite Operations
- Government \& Defence applications
- Telemetry, Tracking \& Command
- High Resilience applications

The swift switch $2+1$ redundancy module is for use in the 1 U Genus chassis, specifically for Falcon frequency converter configurations. In 2+1 redundancy configuration, the chassis has capacity for up to three hot-swap frequency converter modules and 1 redundancy switch module.

| Resilience from dual |
| :--- |
| redundant hot-swap |
| power supplies \& field |
| replaceable CPU \& HM |

monitoring via HMI high
resolution touchscreen

| Chassis - Specification |  |
| :---: | :---: |
| Dimensions / Weight / Colour | 1 U high $\times 550 \mathrm{~mm}$ deep $\times 19$ " wide / <10 kg / RAL9003-White (Semi-matte) |
| Capacity | Total of 17 module slots. Note that 1 slot may be used for fan (if required) and 1 slot may be used for 10 MHz EXT inject module (if required). Note actual modules may require $>1$ slot. Refer to required module spec table. |
| Temperature | Operating: $0^{\circ} \mathrm{C}$ to $+45^{\circ} \mathrm{C} /$ Storage: $-20^{\circ} \mathrm{C}$ to $+75^{\circ} \mathrm{C}$ |
| Location / Humidity / Altitude | Indoor use only / 20 to 90\% non-condensing / 10,000 feet AMSL (Operational) 30,000 feet AMSL (Storage) Above Mean Sea Level |
| Control \& Monitoring | Local: HMI touch screen Remote: Ethernet via RJ45, 10BaseT/100 BaseTx. TCPIP, SNMP V3 \& HTTPS \& Web browser interface HMI and CPU field replaceable. Each module independently monitored and reported. |
| MTTR | 20 minutes ( 15 minutes to retrieve spare part and 5 mins to replace) Applies to LRUs only and assumed in house stock |
| AC Input / Consumption | $85-264 \mathrm{Vac} 50 / 60 \mathrm{~Hz} / 150 \mathrm{~W}$ |
| PSU Redundancy | Dual redundant and alarmed Diode OR. Hot swappable |
| Input \& Output ports | Dependant upon module fitted |



## etI <br> ETL Systems

SWF-G1S-KX-107A

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## Swift Redundancy Switch Module

Compact form factor allowing multiple modules to be housed in 1U chassis. Each module uses 6 slots in the chassis.


2+1 Redundancy Configuration
Specs are for standalone modules. There may be slight variation when used for frequency

converter redundancy configurations

Note 1: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product
development and improved spec accuracy.
Note 2: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.

ETL SYSTEMS LIMITED
Coldwell Radio Station
Madley
Hereford
England HR2 9NE
$\begin{array}{lll} & \text { EMAIL } & \text { WEB } \\ \text { HR2 9NE } & \text { info@etlsystems.com } & \text { www.etlsystems.com }\end{array}$
HR2 9NE $\quad$ info@etlsystems.com $\quad$ www.etlsystems.com

TELEPHONE
+44 (0)1981 259020
$\begin{array}{lll} & \text { EMAIL } & \text { WEB } \\ \text { HR2 9NE } & \text { info@etlsystems.com } & \text { www.etlsystems.com }\end{array}$
HR2 9NE $\quad$ info@etlsystems.com $\quad$ www.etlsystems.com

FACSIMILE
+44 (0)1981 259021

