

# SISTF1013-x62-LRT

## Unmanaged Hardened Fast Ethernet Switch

(6) 10/100Base-TX Ports + (1 or 2) 100Base-FX Port



The SISTF1013-x62-LRT switch family contains simple “Plug-and-Play” multi-port switches designed specifically for use in hazardous environments. The switches comply with Class 1, Div 2, ATEX, IECEx regulations, are Optically Intrinsically safe, and are used at the edge of a hardened network to connect devices in hazardous locations. Depending on the model, these switches provide multimode fiber connections with SC connectors; have redundant input power connections, and a fault alarm relay to ensure safe reliable operation in temperatures between -40°C and +75°C.

Transition Networks' hardened switches are certified to operate reliably in harsh environments such as those found on factory floors, outdoor enclosures or other hazardous environments.

Applications include: Offshore Oil Rigs, Natural Gas distribution centers, Oil Refineries, and Petrochemical plants.



### Ordering Information

#### SISTF1013-262-LRT

(6) 10/100Base-TX [100 m/328 ft.] +  
(2) 100BaseFX multimode SC

#### SISTF1013-162-LRT

(6) 10/100Base-TX [100 m/328 ft.] +  
(1) 100BaseFX multimode SC

Optional Accessories (sold separately)

#### External AC/DC Power Supply

##### 25083

Input: 85-264 VAC, 120-370VDC  
Output: 10.8 ~ 13.2 VDC, 2A, 24 Watts

### Features

- Class 1, Div 2, ATEX, IECEx compliant for harsh environments
- Redundant DC power inputs on terminal block
- Auto-Negotiation
- Auto-MDI/MDIX
- Extended operating temperature (-40°C to 75°C)
- Store-and-forward transmission
- Supports flow control
- Rigid IP30 housing design
- DIN Rail and wall mounting enabled

### Specifications

Standards	IEEE 802.3 IEEE 802.3u IEEE 802.3ab IEEE 802.3z IEEE 802.3x
Data Rate Fiber	(1) 100 Mbps FX
Filtering	8192 MAC Addresses, 4 Priority Queues
Status LEDs	Power, Fault, Port Link/Act
Dimensions	Width: 2.05" [52 mm] Depth: 4.1" [106.1 mm] Height: 5.68" [144.3 mm]
Power Consumption	8 Watts
Power Input	12~48 VDC; redundant inputs 6-PIN Terminal Block Overload Current Protection
Fault Relay	1A at 24 VDC capacity
Ingress Protection	IP30
Environment	Operating: -40°C to 75°C Storage: -40°C to 85°C Humidity: 5% to 95% (non-condensing) Altitude: 0 – 10,000 ft.
Weight	1.49 lbs. [0.68 kg]
Compliance	Safety: EN60950-1 UL508 (E331061) UL/cUL Class 1 Div 2 Group A/B/C/D ATEX Class 1 Zone 2 IEXEC Optically Intrinsically Safe Emissions: FCC Part 15, CISPR22/EN55022 Class A, Immunity: EN61000-4-2, EN61000-4-3, EN-61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11, IEC60068-2-32 (Free fall), IEC60068-2-27 (Shock), IEC60068-2-6 (Vibration)
Warranty	Lifetime