

# SISTF Series

## Unmanaged Hardened Fast Ethernet Media Converter

(1) 10/100Base-TX Port + (1) 100Base-FX Port



Media Converters



The SISTF Series is an unmanaged hardened Fast Ethernet media converter supporting multimode or single mode fiber connections with SC or ST connectors for extended distance communications up to 30 kilometers. These converters are Class 1, Div 2 Certified, have redundant input power connections, and a fault alarm relay to ensure safe reliable operation in temperatures between -40°C and +75°C.

### Features

- Auto-Negotiation
- Auto-MDI/MDIX
- Link Pass Through
- DIN Rail Mounting and Wall Mount Brackets Included
- Dry Contact Relay Alarm Output
- Dual Auto-Sensing Redundant DC Power Inputs
- Media Converter Mode or Switch Converter Mode
- Barrel connector interface cable included for connecting external AC/DC power supply
- Extended operating temperature (-40°C to 75°C)
- Reverse Polarity Protection
- Overload Current Protection
- Class 1, Div 2 Certified

### Specifications

Standards	IEEE 802.3 IEEE 802.3u IEEE 802.3x
Dip Switches	1: Enable/Disable Port Alarms 2: Enable/Disable Link Pass Through 3: Full/Half-Duplex 100Base-FX 4: Converter/Switch Mode
Status LEDs	PWR (Power): ON = Unit has power connected PWR 1 (Power): ON = primary power connected PWR 2 (Power): ON = backup power connected Fault: ON = Power failure or port link failure LNK/ACT (Ports 1 – 2): ON = Link; Flashing = data transmitting HDX/FDX (Ports 1 – 2): ON = Full duplex mode 10/100 (UTP): ON = 100 Mbps
Dimensions	Width: 1.2" [30 mm] Depth: 3.7" [95 mm] Height: 5.5" [140 mm]
Power Consumption	3.36 Watts
Power Input	12 to 48 VDC, 0.2A-0.7A, redundant inputs with reverse polarity protection; overload current protection Additional barrel connector; SISTF1011-211-LRT also supports 24 VAC (18~30 VAC)
Fault Output	Relay output contacts, 1A@24VDC load 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	1.4 lbs. [0.63 kg]
Compliance	Safety: UL 60950-1, UL508, CSA C22.2 no 60950 UL Class 1, Div 2 for hazardous environments, cUL CISPR/EN55022 Class A, FCC Class A, CE Mark, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, IEC60068-2-32 (Free fall) IEC60068-2-27 (Shock) IEC60068-2-6 (Vibration)
Warranty	Lifetime

### Ordering Information

#### SISTF1011-211-LRT

(1) 10/100Base-TX (RJ-45) [100 m/328 ft.]  
to (1) 100Base-FX 1300nm multimode (ST)  
[2 km/1.2mi.] Link Budget: 11.0 dB

#### SISTF1013-211-LRT

(1) 10/100Base-T X (RJ-45) [100 m/328 ft.]  
to (1) 100Base-FX 1300nm multimode  
(SC) [2 km/1.2 mi.] Link Budget: 11.0 dB

#### SISTF1014-211-LRT

(1) 10/100Base-TX (RJ-45) [100 m/328 ft.]  
to (1) 100Base-FX 1310nm single mode (SC)  
[30 km/18.6 mi.] Link Budget: 17.0 dB

Optional Accessories (sold separately)

#### External AC/DC Power Supply

##### SPS-UA12DHT

Input: 90-264VAC  
Output: 12 VDC, 1.3A, 18 Watts

##### 25083

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