



RUE-113SENK30



Introduction

Overview

RUE-113SENK30は、1イーサネットポートの10/100Base-T(X)と1シングルモードSCファイバポートの100Base-FXを搭載したスリムなインダストリアルイーサネット-光ファイバコンバータです。光ファイバポートを使用すると、最大30kmの距離まで高速データ通信が可能です。RUE-113SENK30は、逆極性保護機能付きデュアル電源入力を提供するターミナルブロックを備えており、広範な12/24/48VDC電源入力をサポートしています。IP30筐体、広範な動作時温度及びDINレールマウントにより、厳しい環境に適しています。これらの製品は、鉄道信号に適用される EN 50121-4、情報処理機器の安全性に適用される UL 60950-1 の認証を受けています。RUE-113SENK30の動作時温度は-40~80℃です。

Features

High Performance Network Switching Technology

- Complies with IEEE 802.3, IEEE 802.3u, IEEE 802.3x
- Provides 1 x 10/100Base-T(X) Ethernet port with RJ-45 connector
- Provides 1 x 100Base-FX single-mode fiber port with SC connector
- Supports dip switch adjustable Link Fault Pass-through (LFP) function

Reliable Power Design

- Supports 12 to 48VDC redundant power input
- Power reverse polarity protection and overload current protection

- Alarm relay design for power or port failure detection

Robust Industrial Design

- EN 61000-6-2 and EN 61000-6-4 certified to use in heavy industrial environment
- EN 50121-4 certified for Railway Applications (Track Side)
- Robust industrial design case complies with IP30 housing standard
- Supports operating temperature -40 to 80°C
- DIN-Rail or optional wall mounting installation

Specifications

Hardware Specifications

Interface

Total Ports: 2 ports

RJ-45 Port: 1 x 10/100Base-T(X) auto-negotiation speed, Full/Half duplex, auto MDI/MDI-X

Fiber Port: 1 x 100Base-FX Single-mode with SC connector

LEDs: Power 1 (Green), Power 2 (Green), Fault (Red), Fiber (Green), 100 (Amber), LAN (Green)

Alarm Contact: 1A@24VDC

DIP Switch:

DIP 1: OFF (Auto Auto Negotiation Mode) / ON (Force Auto Negotiation Mode)

DIP 2: OFF (Copper: 100Mbps) / ON (Copper: 10Mbps)

DIP 3: OFF (Copper: Full Duplex) / ON (Copper: Half Duplex)

DIP 4: OFF (Disable Link Fault Pass-through) / ON (Enable Link Fault Pass-through)

DIP 5: OFF (Disable Flow Control) / ON (Enable Flow Control)

DIP 6: OFF (Switch Mode) / ON (Pass through Converter mode)

Link Fault Pass-through (LFP): If Copper or Fiber port link down, the converter will force another port to shutdown too.

Power Requirements

Power Input: 12 to 48VDC, redundant dual inputs

Power Consumption: 2.9 watts

Power Protection: Reverse polarity protection, overload current protection

Physical

Dimensions: IP30 standard, 38.6mm (W) x 142.1mm (H) x 106mm (D)

Installation: DIN-Rail or optional wall mounting

Environmental

Operating Temperature: -40 to 80°C

Storage Temperature: -40 to 85°C

Operating Humidity: 5% to 95% RH (Non-condensing)

Technology

Standard:

IEEE 802.3 10Base-T Ethernet

IEEE 802.3u 100Base-TX/100Base-FX

IEEE 802.3x Flow Control

Protocol Technology: CSMA/CD

Switching Architecture: Store and Forward

Regulatory Approvals

EMC: CE, EN 61000-6-2, EN 61000-6-4

EMI: FCC Part 15 Subpart B Class A, CE EN55022 Class A

EMS: EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-8,

Safety: UL 60950-1

Railway Application (Track Side): EN 50121-4 (Certified)

Shock: IEC 60068-2-27

Vibration: IEC 60068-2-6

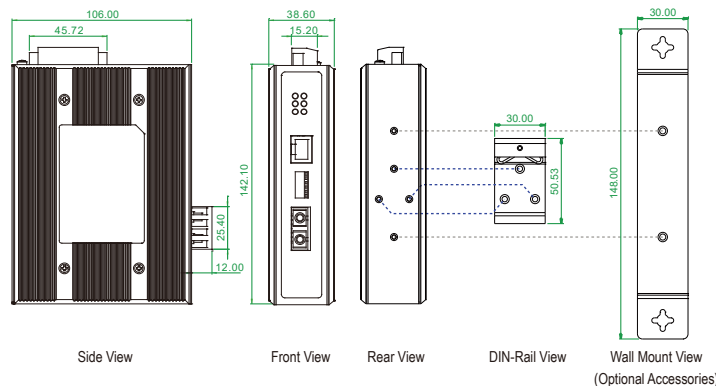
Free Fall: IEC 60068-2-32

Environmental: WEEE, RoHS

MTBF: 1,199,572 hours based on Mil-Hdbk-217F, GB

Warranty: 5 years

Dimensions (unit=mm)



Ordering Information

RUE-113SENK30

Industrial 1 x 10/100Base-T(X) + 1 x Single-mode 100Base-FX Slim Ethernet to Fiber SC Media Converter, -40 to 80°C (30km)