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Connecting. Converting. Leading !

Industrial Grade Gigabit Media Converter, SC12FE2ISG

Feature



- 2x10/100/1000Base-T(X) RJ-45 port, 1x1000Base-X fiber port
- Full/half-duplex, auto negotiation
- 10/100/1000Mbps auto negotiation
- Auto MDI/MDI-X
- Built-in store-and-forward, 1MB buffer
- Power: DC 12-48V, Reverse polarity protected
- SC connector (with optional ST, FC)
- MTBF>400,000 hours

Overview

SC12FE2ISG is an unmanaged Ethernet switch with 1 Gigabit fiber port and 2 10/100/1000Mbps RJ-45 ports. It supports 10/100/1000Mbps, auto negotiation; extends the transmission distance from 100m to thousands meters etc

Specification

Standards

: IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z

Ports

RJ45 port

: 2x10/100/1000Base-T(X), auto detection, full/half-duplex, Auto MDI/MDI-X

Fiber port

: 1x1000Base-FX port SC/ST/FC

LED indication

: PWR, FDX, ACT, LINK

Fiber-optic

Multi-mode

: 50/125, 62.5/125

Single-mode

: 8.3/125, 8.7/125, 9/125, 10/125 μ m

Transmission distance:

Multi-mode

: 2km

Single-mode

: 20km, with optional 40Km, 60Km, 80km, 120km

Cat.5e

: 100m

Power Requirement

Input voltage

: 12 to 48VDC

Power consumption

: Max. 4 Watts

Surge protection(Ethernet)

: \pm 8KV contact discharge, \pm 15KV air discharge

Lightning (power)

: 5000A (8/20 μ s)

Terminal block

: 3-pin terminal block

Overload protection, Reverse polarity protection

Mechanical Characteristics

IP rating

: IP30

Installation

: DIN-Rail/wall-mounted

Dimension (W x H x D)

: 150mm \times 37mm \times 100mm

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Environment

Operating temperature : -40°C to 85°C
 Storage temperature : 40°C to 85°C
 Relative humidity : 5 to 95% (non-condensing)

Industrial Standards tested for

EMI : FCC Part 15 Subpart B classA, EN55022 class A
 EMS:
 IEC (EN)61000-4-2(ESD), grade 4
 IEC (EN)61000-4-3(RS), grade 3
 IEC (EN)61000-4-4(EFT), grade 4
 IEC (EN)61000-4-5(Surge), grade 4
 IEC (EN)61000-4-6(CS), grade 3
 IEC (EN)61000-4-8
 IEC 60068-2-27(Shock)
 IEC 60068-2-32(Freefall)
 IEC 60068-2-6(Vibration)

Dimension

