

ESW105-A

5FE Slim-type Unmanaged Industrial Ethernet Switch with Low Vac Power Input



Features

- 5 x fast Ethernet ports with auto MDI/MDI-X
- Supports 10/100 Mbps auto negotiation
- Compact size with DIN rail and wall mount
- IP40-rated metal enclosure
- Supports redundant 12–48 V_{DC} or 10–24 V_{AC} power input
- Wide operating temperature range of -40 ~ 75°C
- C1D2 for hazardous locations

Introduction

The ESW105-A provides a fast Ethernet solution. Power is delivered via either +12 ~ 48 V_{DC} or 10–24V_{AC} redundant input design. The ESW105-A comes with a compact metal enclosure, making it suitable for installation in narrow areas. The IP40-rated enclosure ensures protection against dusty industrial environments. The ESW105-A is also compliant with C1D2, making it perfect for harsh environments.

Specifications

Communications

- **Standard IEEE** 802.3, 802.3u, 802.3x
- **LAN** 10/100BASE-TX
- **Transmission Distance** Up to 100 m
- **Transmission Speed** Up to 100 Mbps

Interface

- **Connectors** 5 x RJ45
4-pin removable terminal (power)
- **LED Indicators** PWR1, PWR2
10/100TX: link/activity, duplex

Power

- **Power Consumption** 4.1 Watts
- **Power Input** 12–48 V_{DC} or 10–24 V_{AC}, redundant dual inputs

Mechanism

- **Dimensions (W x H x D)** 25 x 80 x 84 mm (0.984" x 3.150" x 3.307")
- **Enclosure** IP40, metal housing with solid mounting kit
- **Mounting** DIN rail, wall

Protection

- **Reverse Polarity** Present
- **Overload Current** Present

Environment

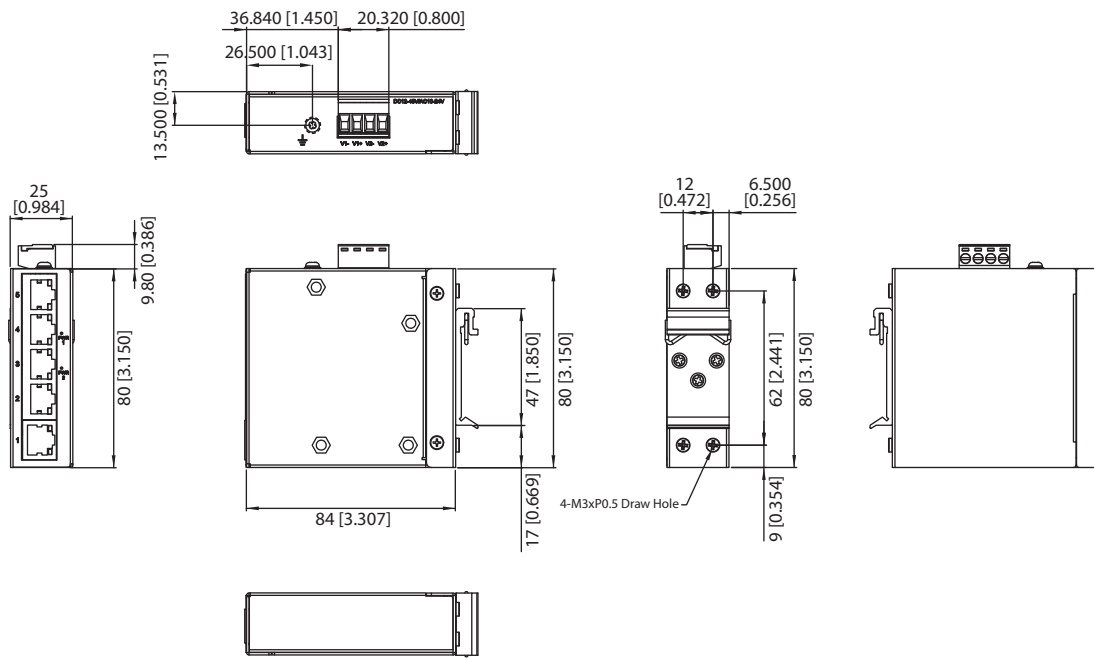
- **Operating Temperature** -40 ~ 75 °C (-40 ~ 167 °F)
- **Storage Temperature** -40 ~ 85 °C (-40 ~ 185 °F)
- **Operating Humidity** 10 ~ 95% (non-condensing)
- **Storage Humidity** 10 ~ 95% (non-condensing)
- **MTBF** TBD

Certification

- **Safety** EN 60950, UL60950, Class 1 Division 2
- **EMI** CE, FCC Class A
- **EMS** EN 61000-4-2 (Level 3)
EN 61000-4-3 (Level 3)
EN 61000-4-4 (Level 3)
EN 61000-4-5 (Level 3)
EN 61000-4-6 (Level 3)
EN 61000-4-8 (Level 3)
Shock IEC 60068-2-27
Freefall IEC 60068-2-32
Vibration IEC 60068-2-6

Dimensions

Unit: mm [in.]



Panel Cut-Out Dimensions: 25 x 80 x 84 mm (0.984" x 3.150" x 3.307")

Ordering Information

- ESW105-A 5FE Slim-type Unmanaged Industrial Ethernet Switch with Low Vac Power Input

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