WUE-800E

Introduction

Overview

The WUE-800E is an unmanaged switch designed to meet the requirements of EN 50155, EN 50121-4 for secured transmission in Transportation Automation such as railways, rolling stock, vehicles and moving machine applications. The WUE-800E is an Industrial 8x10/100Base-T(X) ports and supports an extended operating temperature of -40 to 80°C. It comes with IP67 ingress protection against dust, humidity, oil and water submersion. It uses M12 connectors to ensure water tight, robust connections and to guarantee reliable connections against environmental disturbances, such as vibration and shock. For safety, it supports 12/24/48VDC redundant power input. One special feature of WUE-800E is the built-in 2 bypass ports to avoid network loss in case one or more nodes of power fails in a linear bus topology.

Features

High Performance Network Switching Technology

- Complies with IEEE standards
- Provides 8 x 10/100Base-T(X) with M12 connector (4-pin, female, D-Coded)
- Supports broadcast storm protection
- Built-in 2 bypass ports to avoid one or more nodes power failure in a linear bus topology to avoid data loss

Reliable Power Design

- Equipped with redundant power inputs
- Supports 12/24/48VDC power input with IP67 M12 connector (5-pin, male, A-Coded)
- Power reverse polarity protection and overload current protection

Robust Industrial Design

- EN 50155 certified for Railway Applications and IEC 61373 test passed for vibration and shock resistant
- EN 50121-4 certified for Railway Applications (Track Side)
- EN 61000-6-2 and EN 61000-6-4 certified to use in heavy industrial environment
- Robust industrial design case complies with IP67 housing standard
- Supports operating temperature -40 to 80°C
- Wall mount or DIN-Rail mounting installation

Specifications

Hardware Specifications

Interface

Total Ports: 8 ports
M12 Ports: 8 x 10/100Base-T(X) M12 connector (4-pin, female, D-Coded), auto-negotiation speed, Full/Half duplex, auto MDI/MDI-X
LEDs: System: Power 1 (Green), Power 2 (Green)
M12 Ports: 10/100 Link/Active (Green)

Power Requirements

Power Input: 12 to 48VDC, M12 (5-ping, male, A-Coded), redundant dual inputs
Power Consumption: 12VDC/1.8W, 24VDC/2.2W, 48VDC/3.4W
Power Protection: Reverse polarity protection, overload current protection

Physical

Dimensions: IP67 standard, 65.1mm (W) x 191.5mm (H) x 39mm (D)
Installation: Wall mount or DIN-Rail mounting

Environmental

Operating Temperature: -40 to 80°C
Storage Temperature: -40 to 85°C
Operating Humidity: 5% to 95% RH (Non-condensing)

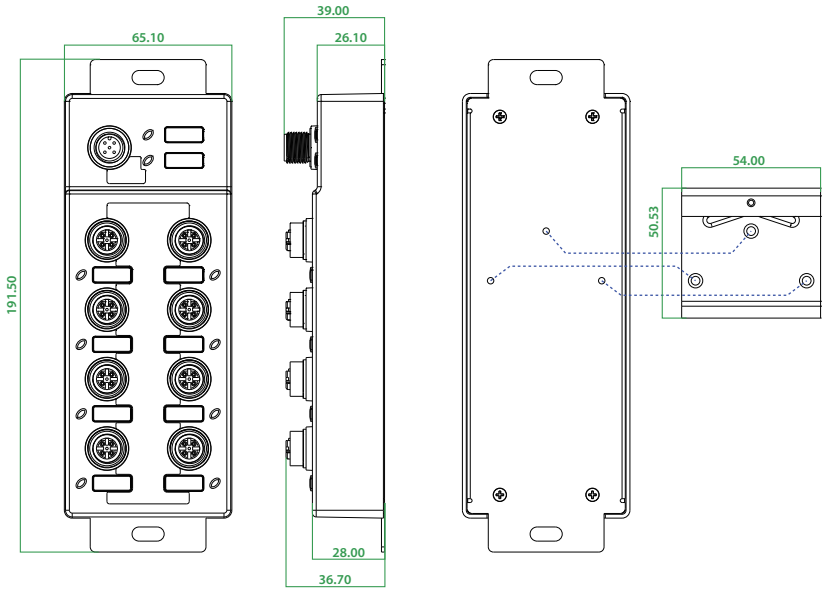
Technical

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

EMI: FCC Part 15 Subpart B Class A,CE EN55022 Class A
EMC: CE, EN 61000-6-2, EN 61000-6-4
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,
Railway Application: EN 50155 (Certified)
Railway Application (Track Side): EN 50121-4 (Certified)
Shock: IEC 61373
Vibration: IEC 61373
Free Fall: IEC 60068-2-32
Environmental: WEEE, RoHS
MTBF: 1,492,660 hours based on Mil-Hdbk-217F, GB
Warranty: 5 years

Dimensions (unit=mm)



Front View | Side View | Rear View | Din-Rail Kit View

Ordering Information

WUE-800E	Industrial 8 x 10/100Base-T(X) EN 50155 IP67 M12 Unmanaged Ethernet Switch, -40 to 80ºC

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