WUE-500E

EN 50155 | IP67 waterproof | EN 61000-6-2 EN 61000-6-4 | EN 50121-4
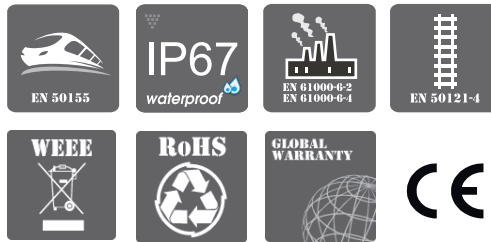
WEEE | RoHS | GLOBAL WARRANTY

CE FC UL

»» Introduction »»»

Overview

The WUE-500E 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-500E is an Industrial 5x10/100Base-T(X) ports and supports an extended operating temperature of -40 to 80ºC. 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 easy deployment, it supports 12/24/48VDC power input.

»» Features »»»

High Performance Network Switching Technology
- Complies with IEEE standards
- Provides 5 x 10/100Base-T(X) with M12 connector (4-pin, female, D-Coded)
- Supports broadcast storm protection

Reliable Power Design
- 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 80ºC
- Wall mount or DIN-Rail mounting installation

»» Specifications »»»

Hardware Specifications

Interface
Total Ports: 5 ports
M12 Ports: 5 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)
M12 Ports: 10/100 Link/Active (Green)

Power Requirements
Power Input: 12 to 48VDC (8.4 to 60VDC), M12 (5-ping, male, A-Coded)
Power Consumption: 12VDC/0.8W, 24VDC/1W, 48VDC/1.9W
Power Protection: Reverse polarity protection, overload current protection

Physical
Dimensions: IP67 standard, 30mm (W) x 206.5mm (H) x 43mm (D)
Installation: Wall mount or DIN-Rail mounting

Environmental
Operating Temperature: -40 to 80ºC
Storage Temperature: -40 to 85ºC
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)
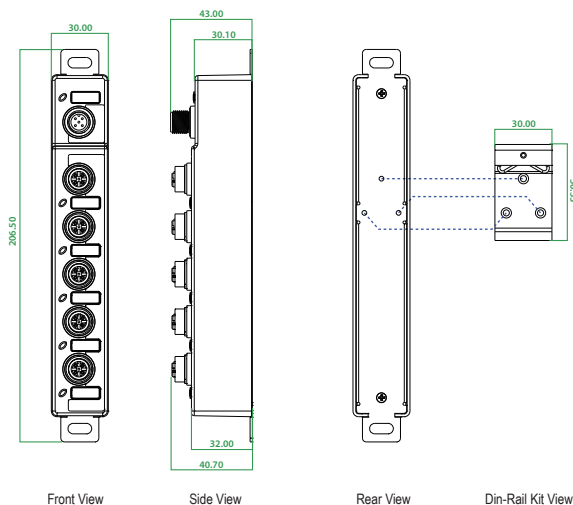**Shock**: IEC 61373
Vibration: IEC 61373
Free Fall: IEC 60068-2-32
Environmental: WEEE, RoHS
MTBF: 2,315,383 hours based on Mil-Hdbk-217F, GB
Warranty: 5 years

»» Dimensions (unit=mm) »»»

Front View   Side View   Rear View   Din-Rail Kit View

»» Ordering Information »»»

WUE-500E	Industrial 5 x 10/100Base-T(X) EN 50155 IP67 M12 Unmanaged Ethernet Switch, -40 to 80ºC