We connect and protect

# Universal Transient Barrier, Single Pair LED

## CERTIFICATIONS

CE

## FEATURES

- LED status indication and voltage-free contacts provide remote status monitoring
- Multi-stage protection and fine over-voltage protection helps ensure lowest residual surge voltages reach sensitive equipment
- Common-mode and differential-mode protection protects against both possible surge conditions
- Surge rating to 20 kA 8/20 µs is ideal for exposed wiring

## SPECIFICATIONS

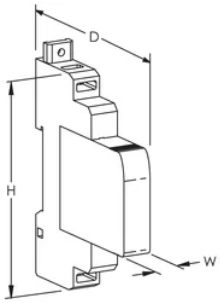
| **Catalog Number** | **UTB30SPLED** |
|---|---|
| Nominal System Voltage (Un) | 10 - 21 VAC<br>15 - 30 VDC |
| Max Continuous Operating Voltage (Uc) | 23 VAC<br>33 VDC |
| Rated Load Current (IL) | 2A |
| Frequency | 2 Hz |
| Loop Resistance | 1 Ω |

| Catalog Number | UTB30SPLED |
|---|---|
| Max Discharge Current (Imax), L+L-PE | 20kA 8/20 µs |
| Protection Modes | Common<br>Differential |
| Power Supply Voltage | 24 |
| Status Indication | LED |
| Status Indication Operating Voltage | 18 - 42 |
| Technology | Gas Discharge Tube (GDT)<br>Metal Oxide Varistor (MOV)<br>Silicon Avalanche Diode (SAD) |
| Voltage Protection Level (Up), L-L | 44 V @ 3 kA |
| Connection, Stranded | 1 - 4 mm² |
| Mounting | 35 mm top hat DIN rail |
| Temperature | -20 to 65 °C |
| Enclosure Material | UL® 94V-0 Thermoplastic |
| Enclosure Rating | IP 20<br>NEMA®-1 |
| Depth (D) | 85mm |
| Height (H) | 90 mm |
| Width (W) | 12 mm |
| Unit Weight | 0.02 kg |
| Complies With | ANSI®/IEEE® C62.41.2-2002 Cat A, Cat B, Cat C |
| Replacement Module | UTB30SPLEDM |

## ADDITIONAL PRODUCT DETAILS

Indicated power supply voltage is for LED status indication.

## DIAGRAMS



## WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at www.nvent.com and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.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