

# EDT2 Enhanced DIN Rail Surge Protection Class II, 1+1 Mode



## CERTIFICERINGER



## FUNKTIONER

Includes nVent ERICO TD Technology to ensure reliability throughout adverse voltage conditions

Enhanced temporary over voltage (TOV) withstand capability

External back-up fuse is not required up to 315 A (IEC only)

Compact, yet high surge rated pluggable design, using minimum DIN rail width

Retaining clip ensures enhanced vibration and shock resistance performance

Red/Green status indication and change-over contacts standard for remote monitoring

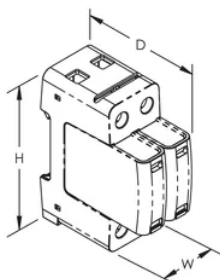
## SPECIFIKATIONER

| Katalognummer                         | EDT27511R              | EDT230011R              |
|---------------------------------------|------------------------|-------------------------|
| Nominal System Voltage (Un)           | 60 V                   | 240 V                   |
| Max Continuous Operating Voltage (Uc) | 75 V L-N<br>305 V N-PE | 300 V L-N<br>305 V N-PE |

| Katalognummer                                      | EDT27511R                      | EDT230011R                     |
|----------------------------------------------------|--------------------------------|--------------------------------|
| Nominal Discharge Current (In), IEC, L-N           | 20kA 8/20 µs                   | 20kA 8/20 µs                   |
| Nominal Discharge Current (In), IEC, N-PE          | 40kA 8/20 µs                   | 40kA 8/20 µs                   |
| Max Discharge Current (Imax), IEC, L-N             | 50kA 8/20 µs                   | 50kA 8/20 µs                   |
| Max Discharge Current (Imax), IEC, N-PE            | 65kA 8/20 µs                   | 65kA 8/20 µs                   |
| Voltage Protection Level (Up), L-N                 | 800V                           | 1650V                          |
| Voltage Protection Level (Up), N-PE                | 1500V                          | 1500V                          |
| Back-Up Fuse @ Isccr                               | 250 A @ 50 kA<br>315 A @ 25 kA | 250 A @ 50 kA<br>315 A @ 25 kA |
| Frequency                                          | 50 - 60 Hz                     | 50 - 60 Hz                     |
| Response Time, L-N                                 | 25 ns Max                      | 25 ns Max                      |
| Response Time, N-PE                                | 100 ns Max                     | 100 ns Max                     |
| Protection Modes                                   | L-N<br>N-PE                    | L-N<br>N-PE                    |
| Short Circuit Current Rating (Isccr)               | 25kA<br>50kA                   | 25kA<br>50kA                   |
| Temporary Over Voltage 120 min (Ut/mode), L-N      | 150 V Withstand                | 442 V Withstand                |
| Temporary Over Voltage Withstand 200 ms (Ut), N-PE | 1200V                          | 1200V                          |
| Nominal Discharge Current (In), UL                 | 20kA 8/20 µs                   | 20kA 8/20 µs                   |
| Short Circuit Current Rating (SCCR)                | 85kA                           | 150kA                          |
| Voltage Protection Rating (VPR), L-N               | 500V                           | 1200V                          |
| Voltage Protection Rating (VPR), N-PE              | 1000V                          | 1000V                          |
| Technology                                         | Thermal Disconnect             | Thermal Disconnect             |
| Connection, Solid                                  | 35 mm² Max                     | 35 mm² Max                     |
| Connection, Stranded                               | 25 mm² Max                     | 25 mm² Max                     |
| Torque (TQ)                                        | 4.5 N·m                        | 4.5 N·m                        |
| Humidity                                           | 5 - 95                         | 5 - 95                         |
| Temperature                                        | -35 to 85 °C                   | -35 to 85 °C                   |
| Enclosure Material                                 | UL® 94V-0 Thermoplastic        | UL® 94V-0 Thermoplastic        |
| Enclosure Rating                                   | IP 20                          | IP 20                          |
| Mounting                                           | 35 mm top hat DIN rail         | 35 mm top hat DIN rail         |

| Katalognummer                     | EDT27511R                                                                            | EDT230011R                                                                           |
|-----------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Remote Contact Switching Capacity | 1 A @ 250 VAC<br>1 A @ 125 VAC<br>0.5 A @ 48 VDC<br>0.5 A @ 24 VDC<br>0.5 A @ 12 VDC | 1 A @ 250 VAC<br>1 A @ 125 VAC<br>0.5 A @ 48 VDC<br>0.5 A @ 24 VDC<br>0.5 A @ 12 VDC |
| Remote Contacts                   | Yes                                                                                  | Yes                                                                                  |
| Status Indication                 | Mechanical flag                                                                      | Mechanical flag                                                                      |
| Dybde (D)                         | 69mm                                                                                 | 69mm                                                                                 |
| Height (H)                        | 90 mm                                                                                | 90 mm                                                                                |
| Width (W)                         | 36 mm                                                                                | 36 mm                                                                                |
| Unit Weight                       | 0.23 kg                                                                              | 0.24 kg                                                                              |
| Certification Details             | UL® 1449 Edition 5 Type 1CA                                                          | UL® 1449 Edition 5 Type 1CA                                                          |
| Complies With                     | EN 61643-11 Type 2<br>IEC® 61643-11 Class II                                         | EN 61643-11 Type 2<br>IEC® 61643-11 Class II                                         |
| Replacement Module                | SGT240M<br>EDT275M                                                                   | SGT240M<br>EDT2300M                                                                  |

## DIAGRAMS



## ADVARSEL

nVent-produkter skal kun installeres og anvendes som angivet i nVents produktvejledninger og træningsmaterialer. Vejledninger er tilgængelige på [www.nvent.com](http://www.nvent.com) og hos din nVent kundeservicerepræsentant. Forkert installation, misbrug, fejlanvendelse eller anden undladelse af fuldt ud at følge nVents instruktioner og advarsler kan medføre funktionsfejl, materielle skader, alvorlige personskader eller død og/eller ugyldiggøre din garanti.

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Vores kraftfulde portefølje af mærker:

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**ERICO**

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