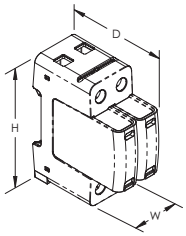
# DT2 DIN Rail Surge Protection Class II, 1+1 Mode – DT27511R

- Compact, yet high surge rated pluggable design, using minimum DIN rail width
- External back-up fuse is not required up to 315 A
- Retaining clip ensures enhanced vibration and shock resistance performance
- Red/Green status indication and change-over contacts standard for remote monitoring




| Part Number | DT27511R |
|---|---|
| Nominal System Voltage (Un) | 60 V |
| Max Continuous Operating Voltage (Uc) | 305 V N-PE<br>75 V L-N |
| Nominal Discharge Current (In), IEC | 20 kA 8/20 µs L-N<br>40 kA 8/20 µs N-PE |
| Max Discharge Current (Imax), IEC | 50 kA 8/20 µs L-N<br>65 kA 8/20 µs N-PE |
| Voltage Protection Level (Up), L-N | 800 V |
| Voltage Protection Level (Up), N-PE | 1,500 V |
| Back-Up Fuse @ Isccr | 250 A @ 50 kA<br>315 A @ 25 kA |
| Response Time, L-N | 25 ns Max |
| Response Time, N-PE | 100 ns Max |
| Protection Modes | L-N<br>N-PE |
| Short Circuit Current Rating (Isccr) | 25 kA<br>50 kA |
| Temporary Over Voltage 120 min (Ut/mode), L-N | 114 V Withstand |
| Temporary Over Voltage Withstand 200 ms (Ut), N-PE | 1,200 V |
| Temporary Over Voltage Withstand 5 s (Ut), L-N | 114 V |
| Nominal Discharge Current (In), UL | 20 kA 8/20 µs |
| Short Circuit Current Rating (SCCR) | 100 kA |
| Voltage Protection Rating (VPR), L-N | 500 V |
| Voltage Protection Rating (VPR), N-PE | 1,000 V |
| Technology | Thermal Disconnect |
| Connection, Solid | 35 mm² Max |

| Part Number | DT27511R |
|---|---|
| Connection, Stranded | 25 mm² Max |
| Torque (TQ) | 4.5 N-m |
| Humidity | 5 – 95 % RH |
| Temperature | -40 to 70 °C |
| Enclosure Material | UL® 94V-0 Thermoplastic |
| Enclosure Rating | IP 20 |
| Mounting | 35 mm top hat DIN rail |
| Remote Contact Switching Capacity | 1.0 A @ 250 VAC<br>1.0 A @ 125 VAC<br>0.5 A @ 48 VDC<br>0.5 A @ 24 VDC<br>0.5 A @ 12 VDC |
| Remote Contacts | Yes |
| Status Indication | Mechanical flag |
| Depth (D) | 69 mm |
| Height (H) | 90 mm |
| Width (W) | 36 mm |
| Unit Weight | 0.229 kg |
| Certification Details | UL® 1449 Edition 4 Type 1CA |
| Complies With | EN 61643-11 Type 2<br>IEC® 61643-11 Class II |
| Certifications | CE, ERICO DT2 Series<br>cURus<br>VDE |
| Standard Packaging Quantity | 1 pc |
| UPC | 78285693857 |
| EAN-13 | 0782856938576 |

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