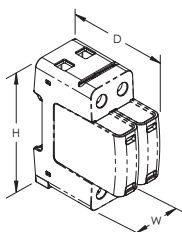# EDT2 Enhanced DIN Rail Surge Protection Class II, 1+1 Mode

- 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
- 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

Part Number	EDT230011R
Nominal System Voltage (Un)	240 V
Max Continuous Operating Voltage (Uc)	300 V L-N 305 V N-PE
Nominal Discharge Current (In), IEC	20 kA 8/20 µs L-N 40 kA 8/20 µs N-PE
Max Discharge Current (Imax), IEC	50 kA 8/20 µs L-N 65 kA 8/20 µs N-PE
Voltage Protection Level (Up), L-N	1,650 V
Voltage Protection Level (Up), N-PE	1,500 V
Back-Up Fuse @ Isccr	250 A @ 50 kA 315 A @ 25 kA
Response Time, L-N	25 ns Max
Response Time, N-PE	100 ns Max
Protection Modes	L-N N-PE
Short Circuit Current Rating (Isccr)	25 kA 50 kA
Temporary Over Voltage 120 min (Ut/mode), L-N	442 V Withstand
Temporary Over Voltage Withstand 200 ms (Ut), N-PE	1,200 V
Nominal Discharge Current (In), UL	20 kA 8/20 µs
Short Circuit Current Rating (SCCR)	150 kA
Voltage Protection Rating (VPR), L-N	1,200 V
Voltage Protection Rating (VPR), N-PE	1,000 V
Technology	Thermal Disconnect

ERICO   PENTAIR

Part Number	EDT230011R
Connection, Solid	35 mm² Max
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 1.0 A @ 125 VAC 0.5 A @ 48 VDC 0.5 A @ 24 VDC 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	0.244 kg
Certification Details	UL® 1449 Edition 4 Type 1CA
Complies With	EN 61643-11 Type 2 IEC® 61643-11 Class II