



1. Description

The eNovation Technology Surge Protection Device is for transient and TOVs protection of single and three phase four wire electrical power distribution circuit, in the main electrical panel, downstream of the main circuit breaker or in control panels.

- 1.1 Designed for low-voltage power supply system
- 1.2 Max. Discharges current with a 8/20 uSec. Waveform
- 1.3 Transient and TOVs protection
- 1.4 Each SPD is a two-part construction, comprising with TS35 DIN-rail mountable base and a pluggable replaceable module, quick replacement with spare pluggable replaceable module.

Model : ENT40-8

2. Electrical data

2.1 Nominal AC voltage (Un)	230 V 50 Hz or 400/230 V 50 Hz
2.2 Max. continuous operating voltage (Uc)	264 V 50 Hz
2.3 Nominal discharge current (In)	10 kA (8/20 uSec.)
2.4 Max. discharge current (Imax)	40 kA (8/20 uSec.) Single MOV
2.5 Residual voltage (Ures)	< 1.2 kV at Cat. B3/C1
2.6 Response time	< 25 nSec.
2.7 Clamping voltage	315 V ± 15% at current > 100 mA 50 Hz
2.8 TOVs surge current	> 5 A 50 Hz in 0.1 Sec.
2.9 Let through voltage (TOVs)	< 270 V (at TOVs surge current)
2.10 Protection mode (support TN-C-S system)	L-N, L-L, L-PE, N-PE

3. Mechanical data

- 3.1 Humidity : 5% - 95%
- 3.2 Operating Temperature : -10 °C to +70 °C
- 3.3 Housing material : UL94V-0
- 3.4 Degree of protection : IP 20
- 3.5 Indicator : Normal or Damage
- 3.6 Weight : 260 grams
- 3.7 Dimension : 27 mm. x 91 mm. x 63 mm.

4. Complies with

- 4.1 IEEE C62.41.1-2002 (category C+B)
- 4.2 IEC 61643-11-2001 (Class I + II)

5. Ordering format

Model : ENT40-8 Code : (XX+XX+XX+XX+X)
 Option
 AC line power system

AC Line power system

- 1P = 1 Pole (Single phase two wire 230 V. 50 Hz)
- 3P = 3 Poles (Three phase four wire 400/230 V. 50 Hz)

Option

- G2 = Protect for Neutral - Ground (limp 5 kA at 10/350 uSec., Up < 1.5 kV (1.2/50 uSec. at 6 kV) and response time < 100 nSec.)
- RR = Remote alarm
- TC = TOVs surge current counter 3 digits display (counts from > 5 A ± 20% at 1 cycle of 50 Hz)
- C = Cabinet

Ordering example

Model : ENT40-8 Code : (3P+G2+RR+TC+C)