

# TPS3 L15

## True 10 Mode Protection

### Type 1 Surge Protective Device (SPD) For Line Side or Load Side Applications

#### Features:

- UL 1449 3rd Edition – 2009, cUL
  - UL 1283
  - Type 1 SPD (Type 2 cUL)
  - Mounts external to electrical distribution equipment
    - Recommended for line side or load side applications
  - When "P" option is selected, TPS3 15, Type 1 SPD mounts internal to: SB1, SB3 and Type RCS switchboards, Type WL low voltage switchgear and TIASTAR motor control centers
  - Large block, individually fused, thermally protected, 50kA MOV's
  - 20kA  $I_n$  (most models)
  - 200kA SCCR (most models)
  - Single TPS6 style replaceable modules
  - Provides redundant replaceable module protection for medium to high exposure applications
  - Internal rotary disconnect switch included
  - All UL-required OCP & safety coordination included
  - UL96A Lightning Protection Master Label compliant (@20kA In)
  
  - SPD Specifications
    - Directly connected discrete protection elements between all possible modes providing true 10 mode protection
    - Surge Current Rating Per Phase

| Per Phase | L-N   | L-G   | L-L   | N-G   |
|-----------|-------|-------|-------|-------|
| 600kA     | 300kA | 300kA | 300kA | 300kA |
| 900kA     | 450kA | 450kA | 450kA | 450kA |
    - 100% monitoring – every MOV is monitored, incl. N-G
    - Individually fused and thermally protected MOV's
    - Solid state bi-directional operation
    - EMI/RFI filtering: Active tracking up to -50db from 10kHz to 100MHz
    - Repetitive impulse: 5,000 hits
    - Less than 1 nanosecond response time
    - Relative humidity range: 0 -95% non-condensing
    - Operating frequency: 47-63Hz
    - Operating temperature: -25°C (-15°F) to +60°C (140°F)
  
  - Standard Configuration
    - Standard NEMA 1/12/3R/04 ANSI 61 steel enclosure
    - Internal rotary disconnect switch
    - Wire size: #8 AWG to 1/0
    - Standard size: 20" X 20" X 7" (508MM X 508MM X 178MM) \*
    - Standard weight: 64 lbs. (29kg) \*
- \*Other NEMA ratings may increase enclosure size and weight



UL 1449 3rd Edition SPD

SIEMENS

