



NTSA

DEFINED POWER PROTECTION

PROTEC Z – The ultimate transient switching surge protection device for LV, MV and HV applications

PROTEC Z LV Combo



- Low voltage Transient switching surge and lightning protection combination
- Protection for LV Motors, Generators, Dry Type transformers, VSD's and UPS's
- Voltage range from: 440 V up to 1150 V
- Explosion proof, Vibration proof and Water proof (IP65)
- Temperature range: -40°C to +70°C

PROTEC Z MV



- 4 Models covering all ranges from 2kV to 13,8kV 50 / 60 Hz both machine and panel mount
- Protection for switchgear, motors, generators and Dry type transformers
- All units fitted with a safety switch as standard
- THD (V) 10%
- Temperature range: -40°C to +80°C
- Standards: IEC 60871-1: 2005
 - : VDE 0560 part 410
 - : ANSI/IEEE 18
 - : NEMA CP-1

PROTEC Z +



- Combined Transient switching surge suppressor with PD sensors for PD monitoring and rotating machine management
- Voltage range: 6kV to 13,8kV
- Safety switch
- THD (V) 10%
- Temperature range: -40°C to +80°C
- Standards: IEC 60871-1: 2005
 - : VDE 0560 part 410
 - : ANSI/IEEE 18
 - : NEMA CP-1



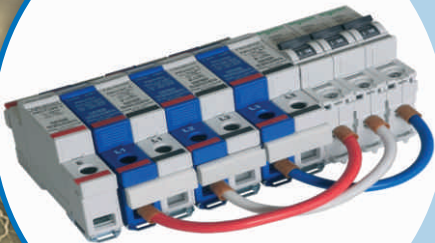
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AC POWER PROTECTION - CLASS 1 MER 25

- Category IEC/EN/VDE: Class I, II/Type 1, 2/B+C
- Location of use: Main distribution boards
- Protection modes: L/N - PE, L - PEN
- Protective element: High energy MOV
- Housing: Compact design



AC POWER PROTECTION - CLASS 2

- SAD 20 PR is an SPD for protection against indirect lightning strikes, transients and surges.
- SAD 20 PR is intended for protection of sensitive digital equipment.
- Location of use: Sub distribution boards or as close as possible to a protected device.



SAFETEC

- No Leakage current
- Controlled disconnection
- TOV immunity within doubled U_c value for unlimited time period.
- Overload function
- No back up fuse needed
- Arc prevention function using rotating disc