

JDA TvssPro™

TYPE : E series

Class I+II (B+C) Single Phase AC Protector Enclosure Type SPD

Surge arrester for low-voltage power supply system protection against surges at the boundaries from lightning protection zone 0B-1 and higher.

- UL 1449 3rd with SCCR 200KA Arms Listed thermally protected high energy MOV technology
- Class I+II arrester in according with IEC 61643 and UL1449 third Edition
- Comply with ANSI / IEEE C62.41-1991&62.45
- Full modes protection
- Large surge energy capability.
- Low voltage protection level.
- Steel enclosure, not exhaust when exposed to lightning strikes.
- Degradation failure indication.
- Surge event counter optional
- Failure pre-test optional
- Filtering function optional
- Thermal fused with thermally protected MOVs inside
- Less than 1 nanosecond response time
- Maximum energy capability.
- Low voltage protection level.
- With remote alarm contact
- With EMI/RFI filter and sine wave tracking



Technical Data

| System voltage (50/60Hz) | 110V-120V | | 127/254V | 220-240V | | 277V | | |
|---|--|----------------|-----------------------|----------------|----------------|----------------|----------------|-------|
| Phase Configuration | Single-phase | | Split-phase | Single-phase | | Single-phase | | |
| Model No. | E50/M-S/3M-180 | E50/M-S/2M-180 | E50/M-S/5M-180 | E50/M-S/3M-320 | E50/M-S/2M-320 | E50/M-S/3M-350 | E50/M-S/2M-350 | |
| Mode protected | L-N, L-G, N-G | L-N, N-G | L-N, L-G, L-L, N-G | L-N, L-G, N-G | L-N, N-G | L-N, L-G, N-G | L-N, N-G | |
| Max. Discharge Current I _{max} (8/20) | 50KA | 50KA | 50KA | 50KA | 50KA | 50KA | 50KA | |
| Nominal Discharge Current I _n (8/20) | 20KA | 20KA | 20KA | 20KA | 20KA | 20KA | 20KA | |
| Voltage protection level (VPR@6KV/3KA) | L- N | 800V | 800V | 800V | 1300V | 1300V | 1400V | 1400V |
| | L- G | 800V | N/A | 800V | 1350V | N/A | 1400V | N/A |
| | N- G | 800V | 800V | 800V | 1300V | 1300V | 1400V | 1400V |
| | L- L | N/A | N/A | 1400V | N/A | N/A | N/A | N/A |
| Lightning counter current | ≥200A(with reset button) | | | | | | | |
| Filtering | L-N, L-G | | | | | | | |
| Power Status Indication | Power LED : Normal = Green; Fail = off | | | | | | | |
| Working Status Indication | Normal= Blue LED on ; Fail: Blue LED off and Red LED on | | | | | | | |
| Power Connecting cable | 10AWG(L1=yellow;L2=brown;PE=black;N=blue) | | | | | | | |
| Signal cable | 16AWG C=red; NC=blue; NO=brown | | | | | | | |
| Enclosure material | Standard ABS, optional PC, GRP, Steel, | | | | | | | |
| Enclosure material | NEMA4, IP65, IP67 optional | | | | | | | |
| Working environments | Temperature -40℃~+70℃, Humidity relative 5-95% (25℃), Altitude≤2km | | | | | | | |
| Response time | <1 nanosecond | | | | | | | |
| Dimension | 200 mm x 150 mm x 100 mm / plastic ABS | | | | | | | |

Note: Subject to change without any notice.