

TvssPro™

TYPE: E40-S series

Class I+II (B+C) One 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.		E40-S/3M-180	E40-S/2M-180	E40-S/5M-180	E40-S/3M-320	E40-S/2M-320	E40-S/3M-350	E40-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) Per phase		100KA	100KA	100KA	100KA	100KA	100KA	100KA
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		10mm ² (L1=yellow ;L2=green;L3=red; PE=black)						
Signal cable		16AWG C=red; NC=blue; NO=brown						
Enclosure material		Standard ABS, optional PC, GRP, Steel,						
Enclosure protection class		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.