



Prosurge ETL series DIN-rail SPD is a Type 1CA SPD according to UL 1449 4th, designed for low-voltage power supply system surge protection, especially for point of entry (Category C,D, ANSI/IEEE C62.41) and sub-circuit (Category B, ANSI/IEEE C62.41) protection.

Rating:

- **MCOV (Vac): 150V~690V**
- **Surge capacity (8/20µs): 50kA**
- **Short circuit current rating (SCCR): 200kArms - tested without external CB or fuse**

Technical Features:

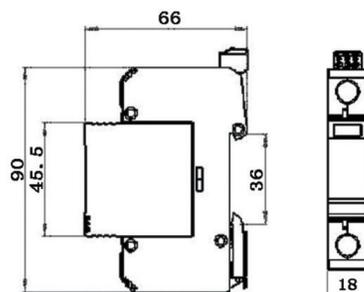
- ETL recognized Type 1CA SPD (ANSI/UL1449 4th), Type 2CA SPD (CSA C22.2)
- Low voltage protection level
- DIN-rail mounting configuration
- Degradation failure indication and optional remote signal contact
- Pluggable module for easy replacement
- Meet both standards of UL 1449-4th and IEC 61643-11:2011
- Global patented thermal disconnecter design with arc extinguishing device, fail-safe & self-protected, quick thermal response and perfect circuit cutoff function. No additional over-current protection devices required.



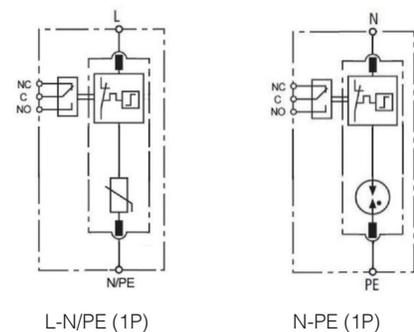
1 pole

Part No.	Pole	Max. Discharge Current, I _{max} (8/20µs) (kA)	Nominal Discharge Current, I _n (8/20µs) (kA)	Nominal Voltage (VAC)	Max. Continuous Operating Voltage, MCOV (VAC)			Voltage Protection Rating, VPR (kV)			SCCR Rating (kArms)
					L-N	L-G	N-G	L-N	L-G	N-G	
V50/150-S	1	50	20	120	150	150	-	0.7	0.7	-	200
V50/180-S	1	50	20	127	180	180	-	0.7	0.7	-	200
V50/275-S	1	50	20	240	275	275	-	1.0	1.0	-	200
V50/320-S	1	50	20	277	320	320	-	1.0	1.0	-	200
V50/420-S	1	50	20	347	420	420	-	1.2	1.2	-	200
V50/550-S	1	50	20	480	550	550	-	1.5	1.5	-	200
T50/150-S	1	50	20	Neutral	-	-	150	-	-	0.8	200
T50/255-S	1	50	20	Neutral	-	-	255	-	-	1.0	200
T50/350-S	1	50	20	Neutral	-	-	350	-	-	1.2	200
T50/440-S	1	50	20	Neutral	-	-	440	-	-	1.5	200

- Dimension drawing



- Basic circuit diagram

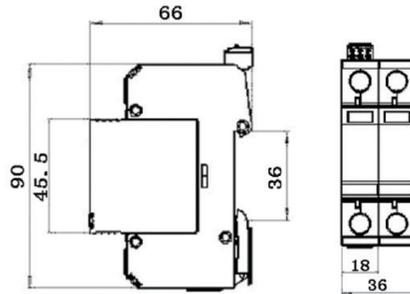




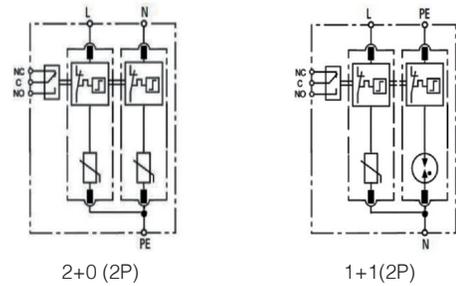
2 poles

Part No.	Pole	Max. Discharge Current, I _{max} (8/20μs) (kA)	Nominal Discharge Current, I _n (8/20μs) (kA)	Nominal Voltage (VAC)	Max. Continuous Operating Voltage, MCOV (VAC)			Voltage Protection Rating, VPR (kV)			SCCR Rating (kArms)
					L-N	L-G	N-G	L-N	L-G	N-G	
DS50/150-2V-S	2	50	20	120	-	150	150	-	0.7	0.7	200
DS50/150-(V+T)-S	2	50	20	120	150	-	150	0.7	-	0.8	200
DS50/180-2V-S	2	50	20	127	-	180	180	-	0.7	0.7	200
DS50/180-(V+T)-S	2	50	20	127	180	-	150	0.7	-	0.8	200
DS50/275-2V-S	2	50	20	240	-	275	275	-	1.0	1.0	200
DS50/275-(V+T)-S	2	50	20	240	275	-	255	1.0	-	1.0	200
DS50/320-2V-S	2	50	20	277	-	320	320	-	1.0	1.0	200
DS50/320-(V+T)-S	2	50	20	277	320	-	255	1.0	-	1.0	200
DS50/420-2V-S	2	50	20	347	-	420	420	-	1.2	1.2	200
DS50/420-(V+T)-S	2	50	20	347	420	-	350	1.2	-	1.2	200
DS50/550-2V-S	2	50	20	480	-	550	550	-	1.5	1.5	200

• Dimension drawing



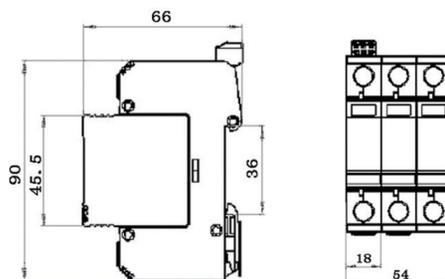
• Basic circuit diagram



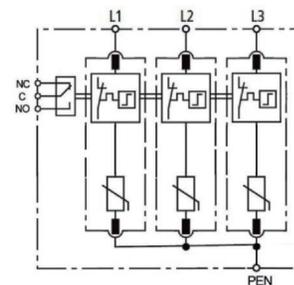
3 poles

Part No.	Pole	Max. Discharge Current, I _{max} (8/20μs) (kA)	Nominal Discharge Current, I _n (8/20μs) (kA)	Nominal Voltage (VAC)	Max. Continuous Operating Voltage, MCOV (VAC)			Voltage Protection Rating, VPR (kV)			SCCR Rating (kArms)
					L-N	L-G	N-G	L-N	L-G	N-G	
DT50/150-3V-S	3	50	20	120	-	150	-	-	0.7	-	200
DT50/180-3V-S	3	50	20	127	-	180	-	-	0.7	-	200
DT50/275-3V-S	3	50	20	240	-	275	-	-	1.0	-	200
DS50/320-3V-S	3	50	20	277	-	320	-	-	1.0	-	200
DT50/420-3V-S	3	50	20	347	-	420	-	-	1.2	-	200
DS50/550-3V-S	3	50	20	480	-	550	-	-	1.5	-	200

• Dimension drawing



• Basic circuit diagram



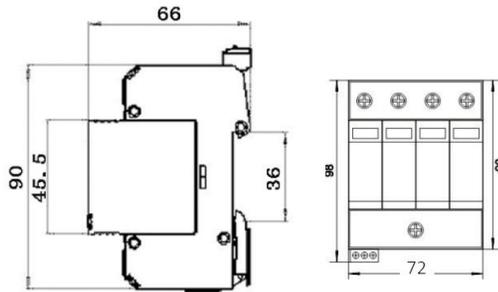
3+0 (3P)



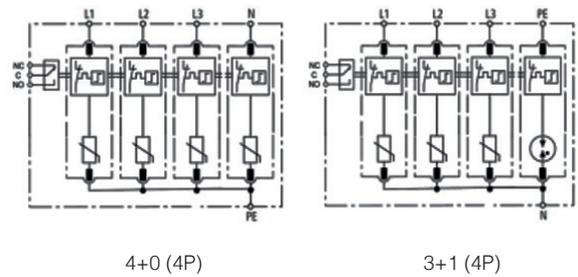
4 poles

Part No.	Pole	Max. Discharge Current, I _{max} (8/20μs) (kA)	Nominal Discharge Current, I _n (8/20μs) (kA)	Nominal Voltage (VAC)	Max. Continuous Operating Voltage, MCOV (VAC)			Voltage Protection Rating, VPR (kV)			SCCR Rating (kArms)
					L-N	L-G	N-G	L-N	L-G	N-G	
DT50/150-4V-S	4	50	20	120	-	150	150	-	0.7	0.7	200
DT50/150-(3V+T)-S	4	50	20	120	150	-	150	0.7	-	0.8	200
DT50/180-4V-S	4	50	20	127	-	180	180	-	0.7	0.7	200
DT50/180-(3V+T)-S	4	50	20	127	180	-	150	0.7	-	0.8	200
DT50/275-4V-S	4	50	20	240	-	275	275	-	1.0	1.0	200
DT50/275-(3V+T)-S	4	50	20	240	275	-	255	1.0	-	1.0	200
DT50/320-4V-S	4	50	20	277	-	320	320	-	1.0	1.0	200
DT50/320-(3V+T)-S	4	50	20	277	320	-	255	1.0	-	1.0	200
DT50/420-4V-S	4	50	20	347	-	420	420	-	1.2	1.2	200
DT50/420-(3V+T)-S	4	50	20	347	420	-	350	1.2	-	1.2	200
DT50/550-4V-S	4	50	20	480	-	550	550	-	1.5	1.5	200

• Dimension drawing



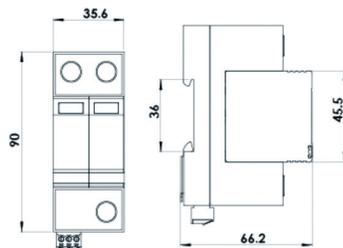
• Basic circuit diagram



V100E & G100E
1 pole

Part No.	Pole	Max. Discharge Current, I _{max} (8/20μs) (kA)	Nominal Discharge Current, I _n (8/20μs) (kA)	Nominal Voltage (VAC)	Max. Continuous Operating Voltage, MCOV (VAC)			Voltage Protection Rating, VPR (kV)			SCCR Rating (kArms)
					L-N	L-G	N-G	L-N	L-G	N-G	
V100E/150-S	1	50	20	150	150	150	-	0.7	0.7	-	200
V100E/180-S	1	50	20	180	180	180	-	0.7	0.7	-	200
V100E/250-S	1	50	20	250	250	250	-	1.0	1.0	-	200
V100E/275-S	1	50	20	275	275	275	-	1.0	1.0	-	200
V100E/320-S	1	50	20	320	320	320	-	1.0	1.0	-	200
V100E/420-S	1	50	20	420	420	420	-	1.2	1.2	-	200
V100E/510-S	1	50	20	510	510	510	-	1.5	1.5	-	200
V100E/550-S	1	50	20	550	550	550	-	1.5	1.5	-	200
G100E/150-S	1	50	20	150	-	-	150	-	-	0.8	200
G100E/255-S	1	50	20	255	-	-	255	-	-	1.0	200
G100E/350-S	1	50	20	350	-	-	350	-	-	1.2	200
G100E/440-S	1	50	20	440	-	-	440	-	-	1.5	200

• Dimension drawing



• Basic circuit diagram

